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Preface

The *Natural Gas Monthly (NGM)* is prepared in the Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of Joan E. Heinkel.

General questions and comments regarding the *NGM* may be referred to Ann M. Ducca (202) 586-6137. Specific technical questions may be referred to the appropriate persons listed in Appendix E.

The *NGM* highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. Geographic coverage is the 50 States and the District of Columbia.

Explanatory Notes supplement the information found in tables of the report. A description of the data collection surveys that support the *NGM* is provided in the Data Sources section. A glossary of the terms used in this report is also provided to assist readers in understanding the data presented in this publication.

All natural gas volumes are reported at a pressure base of 14.73 pounds per square inch absolute (psia) and at 60 degrees Fahrenheit. Cubic feet are converted to cubic meters by applying a factor of 0.02831685.

Common Abbreviations Used in the Natural Gas Monthly

| AGA | American Gas Association | IOGCC | Interstate Oil and Gas Compact Commission |
|------|---|-------|---|
| Bbl | Barrels | LNG | Liquefied Natural Gas |
| BLS | Bureau of Labor Statistics, U.S. Department of Labor | Mcf | Thousand Cubic Feet |
| Bcf | Billion Cubic Feet | MMBtu | Million British Thermal Units |
| BOM | Bureau of Mines, U.S. Department of the | MMcf | Million Cubic Feet |
| D. | Interior | MMS | United States Minerals Management |
| Btu | British Thermal Unit | | Service, U.S. Department of the Interior |
| DOE | U.S. Department of Energy | NGL | Natural Gas Liquids |
| DOI | U.S. Department of the Interior | OCS | Outer Continental Shelf |
| EIA | Energy Information Administration, U.S. Department of Energy | STIFS | Short-Term Integrated Forecasting System |
| FERC | Federal Energy Regulatory Commission | STEO | Short Term Energy Outlook |
| | | Tcf | Trillion Cubic Feet |

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Recent Trends in Natural Gas Spot Prices

John Herbert, James Thompson, and James Todaro

The unique conditions of one winter versus another have resulted in sharply different natural gas price patterns during the past three heating seasons. Weekly spot prices at the Henry Hub in November, December, and January have differed markedly between years with no discernible pattern. Perhaps the only common facet of prices in these months over the past several years has been their increased volatility compared with prices during the rest of the year. Further, wintertime price volatility is such that prices this January could vary from year-earlier levels by as much as \$1.00 per million Btu (MMBtu). Based on recent trends in natural gas supply and consumption and current weather forecasts, however, it is likely that spot prices at the Henry Hub during January 1998 will be less than during the previous January, perhaps by as much as \$0.40 per MMBtu.

This article focuses primarily on conditions and developments in the East Consuming Region and their connection to prices at the Henry Hub in the Producing Region.¹ The East Consuming Region is characterized by high gas consumption, particularly in the residential and commercial sectors, with much of the gas supplied from the Producing Region (although a fair amount is also imported from Canada). The Henry Hub in southern Louisiana is a major market center with interconnections for many of the pipelines that transport U.S.-produced gas to the eastern consuming States. Further, it is the preferred reference point for prices for most of the domestic gas destined for the East. Therefore, market conditions and developments in the East Consuming Region and price movements and trends at the Henry Hub are usually highly correlated.

The article discusses recent trends in Henry Hub spot prices, placing special emphasis on the relationship between prices and storage practices in both the East and Producing regions. It also highlights overall market trends in recent years and provides an indication of current market conditions in the East Consuming Region and expected price levels. Special attention is devoted to

Pre-Heating Season Prices: The Storm Before the Calm?

The 3-month period leading up to the beginning of the 1997-98 heating season witnessed quite different price behavior from that of the past 3 years (Figure FE1). Weekly average spot prices at the Henry Hub at the beginning of August 1997 were nearly identical to year-earlier levels and about \$0.80 per MMBtu above those in August 1994 and 1995. From this point, spot prices climbed almost unremittingly through October. Weekly average prices during October ranged from \$0.50 to \$1.13 more than levels the previous year. For the 7 weeks between the beginning of October and the middle of November, prices greatly exceeded those in 1994 and 1995. For 4 of these weeks, prices were more than double the corresponding 1994 prices.

Not only were spot prices during this 3-month period much higher than in the past 3 years, but for much of this period spot and futures prices were very volatile, with futures prices consistently higher than spot prices in late September and throughout most of October. From the second week in September through the third week of October, prices often varied by \$0.25 per MMBtu or more from one week to the next and futures settlement prices at the Henry Hub for month-ahead deliveries were often more than \$0.25 per MMBtu higher than spot prices.

storage for several reasons. First, storage withdrawals are the swing source of supplies and satisfy a significant proportion of total demand during the heating season. Second, of the three supply components, storage information is the most current.² Also, in contrast to other sources of natural gas supply, working gas storage levels represent inventories ready for market.

¹The regions used in this analysis correspond to the three regions in the American Gas Association's weekly storage survey. The East Consuming Region includes all States east of the Mississippi River less MS, plus IA, NE, and MO. The Producing Region comprises TX, OK, KS, NM, LA, AR, and MS, while the West Consuming Region consists of all States west of the Mississippi River less the Producing Region and IA, NE, and MO.

²Since 1994, the American Gas Association has conducted a weekly survey of gas storage, presenting the results on a national level and separately within three regions of the country: the Producing Region, the East Consuming Region, and the West Consuming Region. The Energy Information Administration reports monthly survey data in the *National Gas Monthly* 2 months following the report month and preliminary estimates at the national level for the 2 most current months.

10.00 Nonheating Heating Season Nonheating Season Season 8.00 Dollars Per Million Btu 1995-96 6.00 4.00 1997-98 2.00 1994-95 0.00 Nov Aug Sep Oct Dec Jan Feb Mar Apr

Figure FE1. Henry Hub Weekly Average Natural Gas Spot Prices

Source: Pasha Publications, Inc., Gas Daily.

This runup in prices prior to the heating season, accompanied by high price volatility and market premiums for future supplies (reflected by futures prices consistently higher than current spot prices), is attributable to a variety of factors. Some of these factors involve demonstrable market conditions, while others stem from various perceptions of market conditions or possible developments.

One reason for the elevated prices is that replacement costs for production are significantly more than year-ago values. Leasing rates for offshore rigs have doubled in the last year from slightly over \$30,000 per day to almost \$70,000.³ Yet, the major problem facing drillers is having adequate crews to staff rigs.⁴ The skilled workforce has been declining fairly steadily in the past 10 years. As late as the fall of 1995, when the conventional wisdom in the domestic oil and gas industry was that low prices would prevail at least though 1996, support was very much alive for continued aggressive costcutting, including few new hires.

The slowdown in the growth of imported gas from Canada in recent years is another factor in the higher prices. Canadian gas, even including the costs of

transportation to various markets, is less expensive on average than domestically-produced gas. For example, the average price of gas for December 1997 delivery at the AECO-C Hub, the major hub in Canada, was \$1.17 per MMBtu.⁵ This compares with a price of \$2.20 per MMBtu at the Gas Daily pricing point on the El Paso pipeline in New Mexico, which is near one of the least expensive producing areas in the United States. At Emerson, a popular pricing point for Canadian gas into the North Central United States, gas for December delivery was \$2.33 per MMBtu. In comparison, the natural gas price at the Henry Hub in Louisiana, which also serves the North Central United States, the cost was \$2.54 per MMBtu. However, the pipelines available to bring gas from Canada into the United States are becoming more fully utilized, thus dampening the growth of imported Canadian gas, even though about 230 million cubic feet per day of deliverability from Canada was added in 1997. Several new pipeline projects have been proposed, but until the new lines are in operation, the slowing growth of imports will continue to put upward pressure on prices if demand increases as expected.

³Ira Breskin, "Oil and Gas Drilling," *Investor's Business Daily* (November 10, 1997), p. 39.

⁴Martha M. Hamilton, "a Return to Success for Oil Services," *The Washington Post* (November 9, 1997), p. H2.

⁵The AECO-C Hub price was converted from joules to British thermal units (Btu) using a conversion factor of 1,055 joules per Btu. Canadian dollars were converted into U.S. dollars using an exchange rate of 0.7 U.S. dollars to 1 Canadian dollar. Pasha Publications, *Gas Daily Price Guide* (Arlington, VA, December 1997).

An unexpected increase in natural gas demand by electric utilities in the south central part of the United States as a result of coal deliverability problems also contributed to the higher prices. This past summer and fall, these utilities were using increased amounts of natural gas to substitute for the decline in rail shipments of coal (see Box, "Coal Deliveries to Texas Electric Utilities").

Another reason for the relatively high prices is the perception that increased demand for gas by industrial customers may have significantly increased the average level of gas flowing on particular pipeline systems. These higher flow rates would increase the chance of constraints developing along these systems when demand shifts suddenly. This may encourage companies to pay more for guaranteed supplies of incremental gas along these systems. If customers purchase guaranteed supplies, they avoid the chance that congestion will preclude their access to supplies. If congestion develops, it could raise prices even higher. In short, there was increased concern in the late summer and early fall of 1997 that the chance of pipeline bottlenecks had grown in the past several years.

There was also much concern in the fall of 1997 as to the amount of working gas that would be held in inventory at the beginning of the heating season. This concern was a major factor in the elevated prices and great price volatility. Industry participants and observers wanted to know: first, would storage levels this year reach or exceed those of last year—a year in which they had reached record low levels; and second, would these levels be sufficient to accommodate any increased demand over the previous year's levels? (See the discussion under "Inventory Levels, Withdrawals, and Pre-/Early Heating Season Prices.")

Storage: The Key to Prices

Of the factors discussed, perhaps the most important is that of natural gas storage. This is certainly true in the near term leading up to the heating season and throughout the heating season. In fact, in the view of many natural gas industry participants and observers, it would be difficult to overstate the importance of storage and information about storage levels and stock builds and drawdowns in influencing prices in both cash and

futures markets. The reverse is also true with prices having a direct impact on storage practices.⁷

Storage withdrawals are the swing source of supplies and satisfy a significant proportion of total demand during the heating season, particularly in the East Consuming Region. During heating seasons, monthly withdrawals from the region's storage facilities average about 27 percent of the region's monthly consumption. During the past 7 years, this proportion has often been over 30 percent, and as high as 38 percent. The way the market perceives the adequacy of storage levels relative to expected demand in the East Consuming Region is likely to have a major influence on both current and future prices, because working gas levels, storage withdrawals, and consumption in this region typically average about 65 percent of the national total (Figure FE2).

Certainly some of the large incremental demand by commercial and residential customers during the winter is satisfied by an increase in production and imports, but still the largest proportion of this demand is satisfied with withdrawals of gas from storage (Figure FE3). The similar appearance of the lines for residential and commercial consumption and storage withdrawals in Figure FE3 illustrates visually the dependence of these sectors on storage withdrawals to satisfy heating season demand. In comparison, imports and dry gas production are relatively flat, although gas production increases modestly between November and December. Some of this production in November and December is stored as linepack when available supplies to market exceed actual deliveries.8 All supply series tend to decline after January as the worst of winter is usually over by this time.

Of the three components of supply—production, imports, and storage withdrawals—storage is the only component for which there is reasonably current, comprehensive, and widely-disseminated information about its magnitude and availability. While there are undeniably myriad factors that influence gas prices, many are elements for which there are sparse, incomplete, or

⁶Volatility in daily futures prices can also influence volatility in spot prices when hedge funds open or close out futures position. This occurs because of the large position these companies take in the

⁷Some storage operators delay storage build ups in anticipation of lower prices or add to storage when prices are perceived to be low. For a further discussion of this and related issues, see J.H. Herbert, J.M. Thompson, and C. Ellsworth, "Gas Storage: What Moves the Market and What Doesn't," *Public Utilities Fortnightly* (December 1997), pp. 46-51.

⁸When the average amount of gas delivered to a pipeline exceeds the average amount taken, then the pipe can be considered as packed with gas and the gas designated as linepack.

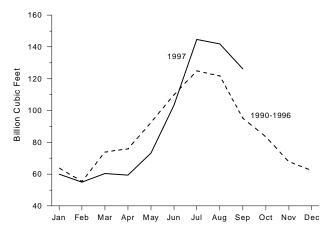
Coal Deliveries to Texas Electric Utilities

The merger of the two largest rail systems in the Southwest, the Southern Pacific and Union Pacific (UP) under the UP banner, has brought about severe logistical problems that have affected the delivery of goods and commodities throughout the region. Delay in the shipment of western coal to the region's electric utilities has been one of the more serious problems caused by this predicament and the situation seems most prevalent in Texas. The Texas Railroad Commission reported in October that several large electric utilities in the State had increased their consumption of natural gas in order to offset low coal stocks.

Texas is the largest consumer of natural gas in the country (3.5 trillion cubic feet in 1996), with electric utilities accounting for almost a third of the State's consumption. Based on Energy Information Administration data, most of the consumption by electric utilities occurs during the months of April to October to meet air-conditioning demand. In 1996, 70 percent or 722 billion cubic feet (Bcf) of the total 1,040 Bcf consumed by Texas electric utilities occurred in the April-to-October period. Energy Information Administration data also indicate that electricity demand in Texas during the winter months is, on average, about a third less than in the summer, again because of the reduction in the air-conditioning load.

The Department of Energy's Office of Emergency Management (EM) has reported that several electric utilities in Texas have instituted coal conservation plans and increased their consumption of natural gas. The most recent EIA data indicate that natural gas consumption at electric utilities in Texas increased in August and September by 18 percent and 40 percent, respectively, when compared with the same months last year. Coal consumption also increased during the same time period but at a much lower rate—3 percent in August and 1 percent in September. As shown in the following figure, natural gas consumption at Texas utilities during the period July through September is about 20 percent above the average for the previous 7 years.

Natural Gas Consumption by Texas Electric Utilities



The weather in much of the Southwest and especially in Texas was quite hot in September, with cooling degree days for the month 21 percent higher than normal. In response to the high temperatures, electricity demand in Texas increased about 20 percent compared with the same month last year. These increases in gas consumption in Texas in recent months would indicate that the coal shipment problems in Texas have affected natural gas use and contributed to the price increase that began in August.

In late October, Union Pacific reported to the Surface Transportation Board, the successor to the Interstate Commerce Commission, that the situation has stabilized and is showing some improvement. The company reported that it is making progress in unclogging train movements into and out of Texas. The Office of Emergency Management reported in November that Union Pacific's overall car exchanges were increasing and unit coal car turnaround time had improved but average train speed still remained below normal. Based on recent price activity at major market hubs in Texas (prices have declined more than \$1.00 per MMBtu since late October), it seems that supplies of natural gas are adequate to meet increased demand from electric utilities.

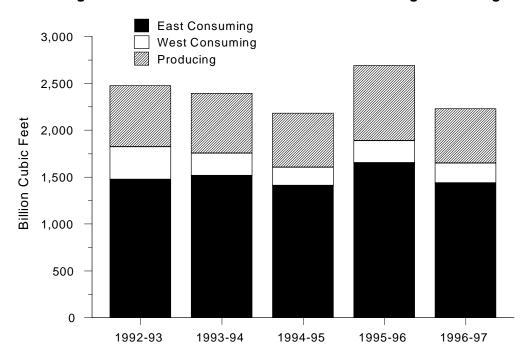


Figure FE2. Natural Gas Withdrawals from Storage in the East Consuming Region Make Up a Significant Portion of Total U.S. Withdrawals During the Heating Season

Source: Energy Information Administration, Office of Oil and Gas, Natural Gas Monthly.

untimely data; others are perceptions based on "guesstimates" or anecdotal information. In a way, storage information has become a proxy for industry conditions. Storage data, because they are relatively current and readily available, are viewed as the "bottom line" by the market in terms of current and near-term conditions, particularly leading up to and during the heating season.

In contrast to the other supply components, working gas storage represents gas readily available for markets. The other components of supply are generally upstream of markets and thus do not represent supplies readily available. Consequently, concerns about the adequacy of storage levels can put significant upward pressure on prices as the heating season approaches, while relatively large amounts of gas in storage throughout much of the heating season can depress prices even below levels experienced during the off-peak summer months.

Heating Season Demand: The Key to Storage Utilization

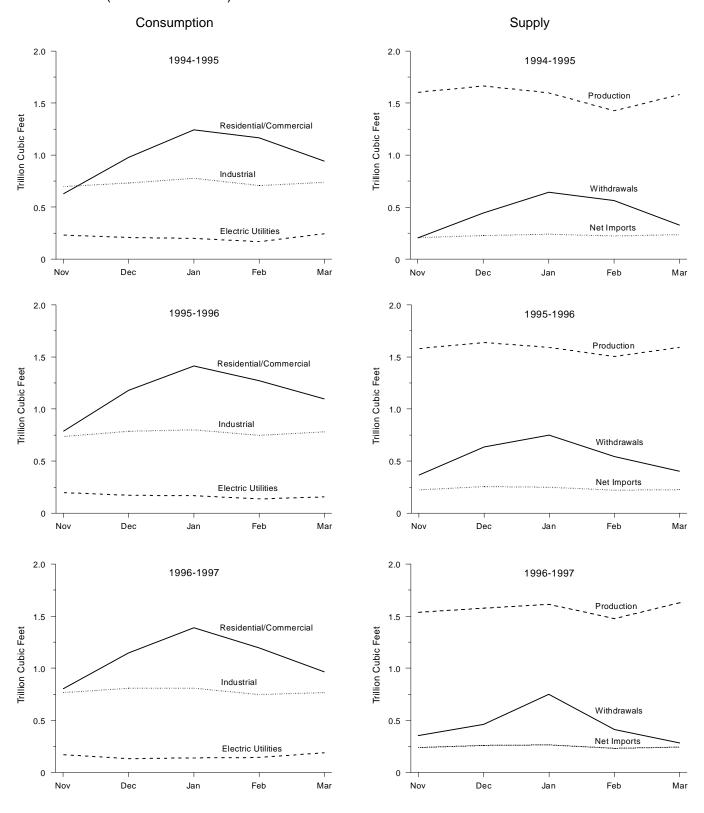
Just as storage is the key to natural gas prices before and during the heating season, demand experienced during the heating season is the primary determinant of storage utilization. Demand, or consumption, during the winter months essentially has two components. One component is the more or less continuous demand for gas in the industrial sector. This demand represents gas used for a wide range of purposes and processes in industrial and manufacturing applications. This demand is more or less steady (but not constant) throughout the year.

Over the past 7 years, industrial sector consumption has grown steadily (Table FE1). This growth has been due to overall growth in the manufacturing sector and to reductions in natural gas prices to this sector as a result of industry restructuring. Consumption trends between years for this sector are easier to observe than for other end-use sectors because industrial demand is less influenced by weather.

A significant portion of the increase in industrial consumption since 1990 has been at cogeneration facilities, which allow companies to use natural gas not only for traditional applications of heating and manufacturing but also for electric power production. The increased use of natural gas for electric power production is expected to continue as a larger number of manufacturers increasingly use their own generators for the production of electricity instead of purchasing it from utilities.

Figure FE3. Natural Gas Residential/Commercial Consumption and Storage Withdrawals Vary Greatly During Heating Seasons

(Trillion Cubic Feet)



Source: Energy Information Administration, Office of Oil and Gas, Natural Gas Monthly.

Table FE1. Natural Gas Consumption and Supply During the Heating Season (Billion Cubic Feet)

| | (= | | | | | | | |
|-------------------|-------------|------------|------------|-----------------------|-----------------------|-------------|----------------|--|
| Llasting | | Consu | mption | Supply | | | | |
| Heating Season | Residential | Commercial | Industrial | Electric Utilities | Dry Gas Production | Withdrawals | Net Imports | |
| 1990-91 | 3,087 | 1,659 | 3,105 | 872 | 7,636 | 1,966 | 704 | |
| 1991-92 | 3,173 | 1,697 | 3,311 | 915 | 7,584 | 2,213 | 784 | |
| 1992-93 | 3,456 | 1,826 | 3,416 | 885 | 7,626 | 2,377 | 931 | |
| 1993-94 | 3,588 | 1,884 | 3,601 | 887 | 7,858 | 2,394 | 1,035 | |
| 1994-95 | 3,199 | 1,756 | 3,651 | 1,051 | 7,875 | 2,182 | 1,133 | |
| 1995-96 | 3,717 | 2,027 | 3,850 | 831 | 7,906 | 2,698 | 1,176 | |
| 1996-97 | 3,517 | 1,969 | 3,887 | 773 | 7,832 | 2,256 | 1,235 | |

Source: Energy Information Administration, Office of Oil and Gas, Natural Gas Monthly.

The second major component of wintertime demand consists primarily of the space-heating requirements in the winter months in the commercial and residential sectors. While these sectors have some year-round consumption for such activities as cooking and water heating, this is far overshadowed by wintertime space-heating consumption, which can be substantial. During the heating season, combined consumption in the residential and commercial sectors exceeds consumption in the industrial sector (Table FE1).

Space-heating demand is also very temperaturesensitive: changes in combined residential and commercial consumption between heating seasons are more influenced by weather differences than by changes in the number of commercial establishments and households using natural gas. Because of this temperature-dependence, combined residential and commercial demand is highly variable and can change rapidly in a very short period. Storage plays the key, critical role during this time because it is the primary source of readily available incremental supplies to satisfy this temperature-driven "swing" demand. As shown in Figure FE3, combined residential and commercial consumption rise and fall more or less in tandem with storage withdrawals throughout the heating season, illustrating the close relationship between the two.

Thus, wintertime demand is dominated by: (1) the primarily industrial, somewhat steady base load; and (2) the temperature-sensitive, residential/commercial spaceheating load, which can "swing" up or down, sometimes drastically, depending on the weather. In trying to plan for heating season requirements, the gas industry is faced

with the uncertainty of weather-determined demand. If a winter is particularly cold, demand could grow significantly, while in a milder winter, much or perhaps all of the increased demand as a result of normal economic growth could be offset by less-than-expected demand for space heating.

Assessing Heating Season Demand

To analyze and attempt to quantify these two components of heating season demand in the important East Consuming Region, a multiple regression analysis was conducted (see Technical Appendix). The results of the analysis provide a method for estimating monthly consumption in the East Consuming Region during the current heating season, based on consumption trends over the past 7 heating seasons, and taking into account the effects of prevailing temperatures.

The results of this analysis indicate that, on average, consumption in the East region attributable to "normal" economic growth⁹ can be expected to be about 28 billion cubic feet (Bcf) per month, or a total of about 140 Bcf greater in a particular heating season over the previous heating season. This corresponds to about 0.93 Bcf per day of increased consumption (i.e., 140 Bcf divided by 151 days in November through March). Further, for each 1 degree F. difference between the observed monthly

⁹This growth is attributable primarily to consistent increases in industrial activity throughout most of this period, plus the addition of new customers in all end-use sectors.

temperature during a heating season month and the "normal" temperature¹⁰ for that month in the East Consuming Region, there is a corresponding change in consumption of about 19.6 Bcf. If the average temperature is 1 degree warmer than normal, consumption falls by 19.6 Bcf; conversely, if the temperature is 1 degree colder than normal, consumption increases by 19.6 Bcf. Likewise, this corresponds to a temperature-related "swing" factor of about 0.65 Bcf per day per 1 degree F. difference.

The ratio of the "trend" growth factor to the swing factor (i.e., 0.93 Bcf per day divided by 0.65 Bcf per day per 1 degree F. difference) is 1.43. In other words, for each month for which the observed temperature is 1.43 degrees above normal in the East Consuming Region, the expected drop in temperature-driven space-heating demand will just offset the expected increased demand from normal economic growth, and the resulting total demand will be expected to be unchanged from the previous year.

The ratio can be computed for each month of the heating season and for the entire heating season. If the January temperature is 1.5 degrees warmer than the previous January, then total demand during January would be expected to be similar to the previous January level. If instead, demand were much higher despite the 1.5 degree temperature increase, it would raise the question as to the cause of this "unexpected" increase.

Recent Trends in Storage Operations and Inventory Management

Until this year, working gas inventories at the beginning of the heating season had declined every year except one since 1990, even though consumption, particularly in the temperature-sensitive residential and commercial sectors, has generally increased. This trend toward lower inventory levels has occurred not just in the natural gas industry but in much of the energy industry serving space-heating demands. For example, between 1994 and 1996, stocks of natural gas, oil, and propane all declined from year-earlier levels (Figure FE4). At the same time, October spot prices at the Henry Hub have been higher than year-earlier levels for the past 3 years (Figure FE1), correlating with the decreased levels of working gas inventories.

The decline in the amount of working gas in the face of increased gas demand can also be partly explained by the development and use of additional high-deliverability salt cavern storage facilities. Between 1993 and 1996, deliverability from storage increased by 8 percent, primarily because of increases in salt cavern storage capacity. About 34 billion cubic feet (Bcf) of working gas capacity was added to salt cavern facilities, increasing daily deliverability by almost 4.1 Bcf which was almost 60 percent of total deliverability additions. Currently, 116 Bcf of working gas is stored in U.S. salt cavern reservoirs, which represents 11 Bcf of daily deliverability.

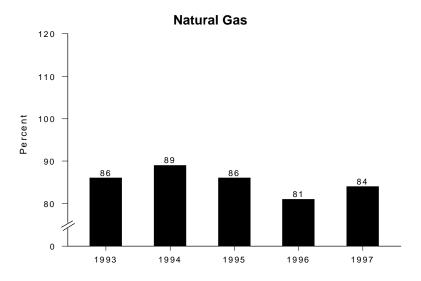
Unlike conventional storage reservoirs, a salt cavern storage facility is designed to be filled several times during the heating season. On average it takes about 10 days to withdraw all the gas from a salt cavern site and about 20 days to reinject to full capacity. The capability to inject during the heating season allows a company to increase the amount of withdrawals during the season. Thus the 34 Bcf increase in salt cavern storage capacity during the past few years represents an increase of more than 100 Bcf in the gas available for delivery from storage to market during the heating season. Withdrawals from salt cavern storage as a percentage of working gas capacity has also increased, from 16 percent in January 1992 to 35 percent in January 1997. Withdrawals from salt cavern facilities are at their highest level of the year during January.

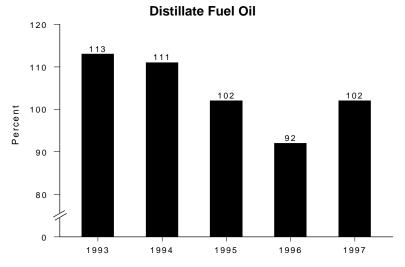
Many feel that this trend of lower inventory levels reflects an increase in efficiency in the industry fostered by the implementation of Order 636, which brought partial deregulation and increased competition to industry structure and operations. Another factor is the increased ability that industry participants have to move gas around more easily—either among storage reservoirs accessible to a given pipeline system or even across different pipeline systems. This added flexibility of transporting gas was one of the major objectives of Order 636. The development of hubs, market centers, and liquid spot markets along portions of pipeline systems has made it easier to move the gas from a pipeline where demand has unexpectedly dropped to one where demand has unexpectedly increased. Because price discovery is usually good at market centers and hubs, their existence facilitates the trading of gas across pipeline systems and can also ease demand for storage inventories in certain situations.

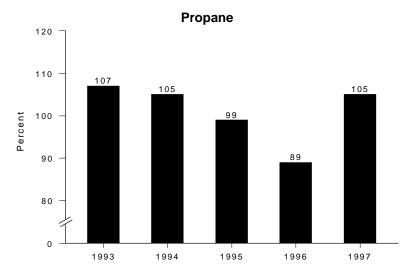
 $^{^{10}}$ Normal temperature refers to the average temperature for major cities in the region over the 30 years from 1961 through 1990, as computed by the National Weather Service.

¹¹Energy Information Administration, "U.S. Underground Storage of Natural Gas in 1997: Existing and Proposed," *Natural Gas Monthly*, DOE/EIA-0130(97/09) (Washington, DC, September 1997).

Figure FE4. Stocks of All Heating Fuels Have Behaved Similarly in the Past 5 Years (Inventory Index Base-November 1, 1990)







Note: The reported numbers are values for November 1 as a percentage of the value on November 1, 1990. Source: Energy Information Administration, Office of Oil and Gas, *Natural Gas Monthly* and *Petroleum 1996: Issues and Trends*.

Some salt storage facilities can inject and withdraw gas on the same day, which provides the flexibility to take advantage of arbitrage and other relatively risk-free commercial opportunities. In principle, large amounts of gas can be withdrawn from salt cavern storage facilities when demand and daily spot prices increase suddenly in late fall and early winter. When demand and daily spot prices subsequently decline, gas can be injected into storage as a replacement for the gas that was previously withdrawn from storage and sold at a relatively high price. Thus, producers or third parties acting for producers can withdraw gas from storage when demand and prices rise and then inject gas into storage when demand declines and prices fall.

Injections of gas into storage during the heating season in the Producing Region, where most of the salt cavern storage reservoirs are located, have exceeded the levels of 1992-93 in each succeeding heating season. In 1996-97, injections were 22 percent more than during the previous heating season and about 90 Bcf greater than in 1992-93 (Figure FE5) or an increase of almost 1 Bcf per day. There is still the possibility of larger increases since injections during the heating season can be several times as large as the working gas capacity in salt cavern storage facilities.

Utilization patterns for conventional storage sites in depleted gas and oil fields are very different from salt storage. In contrast to salt storage, there is a reluctance to withdraw increasing amounts of gas from storage early in the heating season. Companies often hold onto their gas as a form of insurance and as a means of maintaining deliverability at a relatively high level. Much of the stored gas, especially east of the Mississippi River, is owned by local distribution companies that may have regulatory disincentives that inhibit them from taking advantage of rising spot prices.

Finally, another possibly important factor in the continued reduction in underground working gas storage levels is any improvements in the use of linepack in anticipation of demand surges during forecasted cold snaps. As noted earlier, pipelines can be packed with extra gas when deliveries to the line exceed customer demand, which is generally the case in the fall and early winter. For the 5 years from 1992 through 1996, the average difference between supplies and deliveries was 80 Bcf, while the average difference in November, when linepack appears to be at its highest, was 212 Bcf.¹² Linepacking is often similarly high in December, and sometimes even higher.

Inventory Levels, Withdrawals, and Pre-/Early Heating Season Prices

This year, stocks of all fuels for the current heating season are above year-earlier levels. While prices for propane and distillate oil are lower than a year ago, as noted earlier, this was not the case for natural gas at the start of the heating season. Although natural gas stocks on November 1 were above last year's level, October spot prices were much higher than last year and were roughly double their value in October 1994. Indeed, until the third week in November, natural gas prices were above year-earlier values. At first glance, this is contrary to what one might expect.

However, upon examining the situation with storage a little more deeply, it can be seen that even though total gas inventories at the beginning of the heating season were above year-earlier levels by about 82 Bcf according to American Gas Association estimates (2,807 Bcf vs. 2,725 Bcf), stocks in the important East Consuming Region were about 30 Bcf below last year's levels (1,691 Bcf vs. 1,721 Bcf). Further, as previously discussed, general economic growth in the region is expected to increase consumption by 140 Bcf during the heating season. Thus, not only were inventory levels in the East down from the previous year, but perhaps a more telling statistic—the ratio of inventory with respect to expected demand—was also lower (Figure FE6).

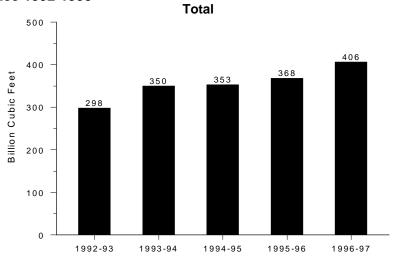
This situation provided support for higher prices at the beginning of the heating season. However, when storage withdrawals were modest during the first several weeks of the heating season, storage levels in the East Consuming Region equaled, and in some weeks actually exceeded, year-earlier values. By the end of November, inventories in the East Consuming Region were about 33 Bcf higher than the year before. Futures prices plummeted \$0.50 per MMBtu between the third and fourth week in November, returning to levels of early September. This was the first time in 4 years that November futures prices were below those of the previous November.

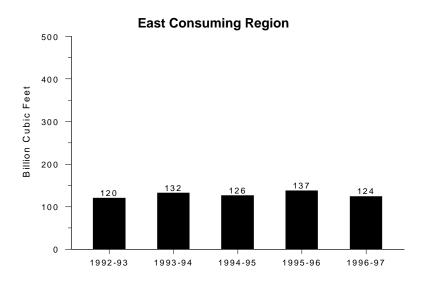
Early-to-Mid-Winter Demand and Price Outlook

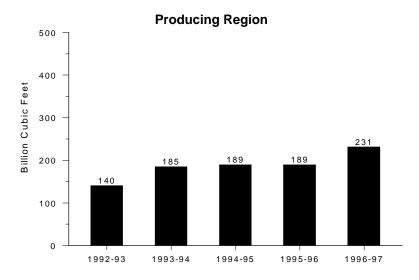
Throughout the early months of the heating season, the industry will closely watch storage data for indications of the shifting balance of supply and demand, and storage data will likewise have a great influence on prices. In turn, storage utilization will be driven largely by the the temperature-sensitive demand in the residential

¹²This information is published in *Natural Gas Monthly* tables as part of an imbalance item, which also includes losses from the pipe and measurement errors associated with counted supplies and deliveries from different respondents.

Figure FE5. Natural Gas Storage Injections During Heating Seasons Trend Upwards Since 1992-1993

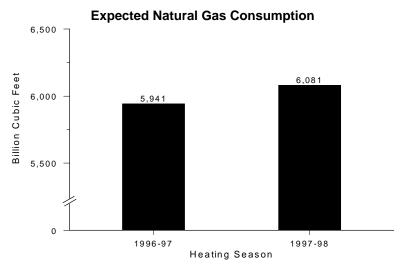


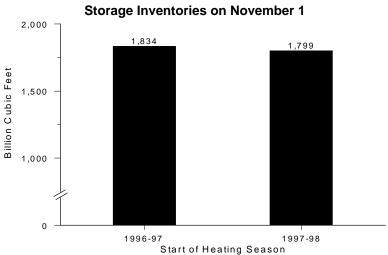


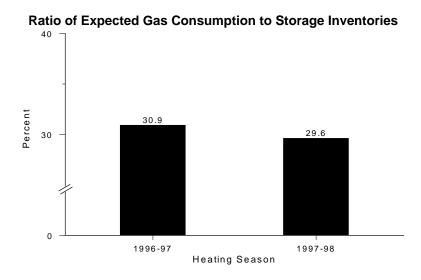


Source: Energy Information Administration, Office of Oil and Gas, Natural Gas Monthly.

Figure FE6. Expected Natural Gas Consumption in East Consuming Region Relative to Storage Inventories







Note: Because vertical scales differ, graphs should not be directly compared.

Sources: **Storage Inventories:** Energy Information Administration (EIA), Office of Oil and Gas, *Natural Gas Monthly*. **Expected Natural Gas Consumption**: EIA estimates.

and commercial sectors, particularly in the East Consuming Region. Thus, during the heating season, storage utilization and natural gas prices, both spot market and futures, are heavily influenced by, and subject to the variability of, the weather.

The regression analysis (see Technical Appendix) of heating season consumption in the East Consuming Region provides a way of quantifying the effect of deviations from normal temperature on wintertime demand. As previously discussed, the analysis shows that, for each 1.43 degrees that the observed temperature is above normal over a given period of time, the decreased demand as a result of the warmer weather would just offset the increased demand resulting from normal economic activity and growth in customer base, etc. For example, last year the average temperatures for December and January were 2.16 degrees above and 0.82 degrees below, respectively, normal temperatures. The average of these temperature differences is about 1 degree F. above normal. Thus, if temperatures for this 2month period are above normal levels this year by 2.43 degrees F. or more in the East Consuming Region, it is expected that reductions in consumption from this rise in temperatures will equal or exceed increases in consumption from normal growth trends.

What kind of weather patterns will occur during this heating season? Much has been made in the media about the "El Nino" climate event that is currently affecting weather on a worldwide scale. Current weather forecasts expect wetter-than-normal conditions to prevail in the southern States and warmer-than-normal temperatures in the northern States from the Rocky Mountains to the Great Lakes. To the extent that the Weather Service's predictions are correct, the reduced demand as a result of higher-than-normal temperatures will tend to put downward pressure on prices.

In addition to weather, a number of other factors could affect the supply-demand balance this heating season and influence price levels. These are:

- Fuel switching. Relatively high natural gas prices in the past several months may have encouraged some customers to seek out other sources of supply—oil by industrial customers and, in some instances, coal by electric generators as power from coal is increasingly traded to supply peak electricity needs in parts of the country not dependent on Union Pacific for coal shipments. To the extent that this has happened, some of the demand for natural gas will have eased, tending to soften prices.
- Storage operations and production. The ability to inject gas into salt cavern storage during the winter

allows producers to produce at a relatively steady rate of production. The steady or optimal rate of production improves the economics of production. This will tend to put downward pressure on prices.

- New pipeline capacity. New pipeline builds added 3.3 Bcf of deliverability in 1997. This increase in deliverability will reduce the chance of bottlenecks, assuming that the pipeline grid is well connected in the Louisiana producing area. This should put downward pressure on prices.
- Increased efficiency of utilization of storage and pipeline assets. While total inventories at the beginning of this heating season were above yearearlier levels, part of the reason for higher-thanexpected prices at the beginning of the heating season was that inventories in the East Consuming Region were below those of last year. However, in principle, if the system operates efficiently and with some foresight, gas from Producing Region inventories, particularly that held in highdeliverability salt cavern storage facilities, can be dispatched in such a way as to make up some of the temperature-driven increases in demand in the East Consuming Region. Expected increases in demand in the East, based on anticipation of colder temperatures, should result in a chain reaction of increasing flows of gas on pipelines, increased storage withdrawals, and rising prices at markets along the pipelines' systems. If the regions are wellconnected, these actions should be communicated upstream to the Producing Region, resulting in increased storage withdrawals to substitute for or replace the additional demand being experienced throughout the downstream portions of the systems. This improved efficiency should tend to put downward pressure on prices.

Thus, gas demand this winter could begin to decline from year-earlier values because of milder weather and consumers' response to the high prices of the past several years. Milder temperatures should also reduce the rate of storage withdrawals. Thus, at the end of January, storage levels could be above year-earlier values, even in the East Consuming Region, which could put additional downward pressure on prices throughout late winter and early spring.

Conclusion

Natural gas spot prices are particularly volatile during the heating season, responding quickly to changes in weather and reported storage levels. Storage utilization and storage data are the industry's key indicators of conditions, and hence of price levels, especially early in the heating season. At that time, average weekly spot prices at the Henry Hub tend to rise or fall in direct reaction to reported weekly storage levels relative to expected demand.

Temperatures in many major residential gas markets are expected to be warmer than normal this winter. This could lead to less gas being consumed than last winter and to reduced demand for storage stocks, which are currently above last year's levels. The lower demand will likely lead to lower prices, with spot prices at the Henry Hub during January perhaps as much as \$0.40 per MMBtu less than during the previous January.

Technical Appendix: Natural Gas Outlook, 1997-98 Winter

A multiple linear regression equation was used to estimate the expected consumption in the East Consuming Region for the 1997-98 winter heating season (i.e., November 1997 through March 1998). In specifying the equation, it was hypothesized that total consumption is a function of heating season temperatures as well as of annual growth in consumption not connected with or dependent upon weather. Thus, the equation took the form:

East Consuming Region heating season total consumption=constant+ α *temperature+ β *growth trend+error term

Defining Variables

The variables used in the regression are as follows:

- East Consuming Region Heating Season Total **Consumption**. The consumption variable represents the sum of end-use consumption during each month (November through March) of the past seven heating seasons, 1990-91 through 1996-97, for the 28 States plus the District of Columbia that comprise the American Gas Association-defined Consuming East Region (i.e., AL, CT, DC, DE, FL, GA, IA, IL, IN, KY, MA, MD, ME, MI, MO, NC, NE, NH, NJ, NY, OH, PA, RI, SC, TN, VA, VT, WI, and WV). End-use data are based on natural gas consumption in the residential, commercial, and industrial sectors reported to the Energy Information Administration (EIA) on Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," and natural gas consumption by electric utilities reported on Form EIA-759, "Monthly Power Plant Report." The monthly sums for all States/District of Columbia were used to arrive at total consumption in the East Consuming Region for the heating season months November 1990 through March 1997.
- Temperature. Monthly average temperatures were computed for each of the heating season months in the series November 1990 through March 1997, based on daily high and low temperatures reported by the National Weather Service for four major cities in major gas-consuming areas of the East Consuming Region: Chicago, Kansas City, New York, and Pittsburgh. A daily four-city average temperature was computed by summing the eight observations and dividing by 8. Then a monthly average temperature was computed from these daily four-

- city average temperatures by summing the daily average temperatures for each day in a given month, divided by the number of days in that month.
- **Growth Trend.** To capture the effects of "normal," systematic, year-to-year growth¹³ in natural gas consumption, a "growth trend" term was included in the equation. This is simply an integer assigned to each set of heating season months, beginning with the number "1" for the months November 1989 through March 1990, (even though these heating season months were not used for estimating the regression) incremented by 1 for each succeeding set of heating season months, through the number "8" assigned to November 1996 through March 1997.

Initial Results and Equation Modification

Upon examination of the error terms from this initial regression equation, it was noted that the residuals for the months of November and December were consistently negative, indicating that the equation consistently overestimated consumption in these months. To attempt to correct or compensate for this, the regression equation was modified to include a "dummy" term.

 Dummy Variable. To construct the dummy variable, the integer "1" was assigned as the dummy term for the months of November and December in the data file and "0" as the dummy term for all other months.

Final Regression Equation and Results

With the addition of the dummy variable, the new equation has the form:

 $\begin{aligned} &CONSUMPTION(EAST){=}k{+}\alpha^*AVG\ TEMP\\ {+}\beta^*TREND{+}\gamma^*DUMMY{+}error\ term \end{aligned}$

When the above equation was estimated, the following constant term and regression coefficients were obtained (standard errors are shown beneath each in parentheses):

k=1,679,322 $\alpha=-19,616.4$ $\beta=28,096.13$ $\gamma=-117,620$

¹³This growth is attributable primarily to consistent increases in industrial activity throughout most of the period, plus the addition of new customers in all sectors.

(44,698.04) (1,359.098) (3,842.35) (16,768.22) The R-squared of the regression is 0.942. The t-statistics for the regression coefficients are as follows:

k: 25.08 α : -14.43 β : 7.31 γ : -7.01

Computing Expected Consumption for the 1997-98 Heating Season

The regression results were used to compute expected consumption in the East Consuming Region. For this computation, it is assumed that temperatures will be "normal" throughout the heating season for the four cities previously identified. Taking the simple average of the normal temperatures for these four cities for the heating season months results in the following combined normal temperatures:

November = 43.23° F December = 32.25° F January = 26.06° F February = 29.69° F March = 40.24° F.

These temperatures can be substituted into the regression equation to estimate consumption in the East Consuming Region for each of the months November 1997 through March 1998. (Note that the integer for the growth trend is increased by 1 from the previous heating season, and therefore is "9" for the 1997-98 heating season.) The resulting estimates, measured in million cubic feet (MMcf), are as follows:

November 1997 = 966,587 MMcf December 1997 = 1,201,514 MMcf January 1998 = 1,421,081 MMcf February 1998 = 1,349,775 MMcf March 1998 = 1,142,821 MMcf

Total: = 6,081,778 MMcf, or about 6,082 billion cubic feet.

Quantifying Changes in Consumption

¹⁴The National Weather Service (NWS) uses temperature observations over the 30-year period 1961-1990 to compute average temperatures for different time scales (i.e., daily, weekly, monthly, etc.) for thousands of locations throughout the country. These average temperatures are often cited as "normal" for these locations for the different time scales. For this analysis, the monthly 30-year NWS averages were used for the four subject cities.

It is useful to point out a way of interpreting the regression results that can serve as a "rule of thumb" to gauge the effect on consumption of patterns or events whose impacts can be expressed in terms of the number of degrees that temperatures are greater or less than normal.

First, the coefficient of the temperature variable in the regression equation (-19,616) means essentially that, for every 1 degree increase in monthly average temperature, consumption decreases by 19,616 MMcf. Second, because the Trend variable changes by an increment of 1 for each succeeding heating season, the coefficient of the Trend variable (28,096) is essentially an estimate of how much additional consumption in any given month of a heating season compared with the year-earlier level is due simply to systematic demand growth, namely 28,096 MMcf.

Further, the regression equation therefore predicts that total Trend demand growth from one heating season to the next is about five times 28,096 MMcf, or 140,480 MMcf. The ratio of the Trend coefficient to the temperature coefficient (28,096/-19,616), -1.43, is a measure of the amount of increase in average temperature required such that the decrease in temperature-driven demand just equals the rise from normal growth in demand. Thus, in this analysis, a temperature increase of about 1.4 degrees F. in any given month would result in consumption levels equal to those in the same month of the prior heating season.

Finally, this ratio can be used as a rule of thumb applied over any period of time. That is, on average, over any period of time (day, number of days, weeks, etc.), when the average temperature for the time period exceeds the normal temperature for the same period by 1.4 degrees F., the decline in demand as a result of warmer-thannormal temperatures offsets the increased demand resulting from Trend growth. Thus, this ratio can be used to gauge or estimate how consumption in the East Consuming Region is changing during the heating season with respect to the previous heating season.

Computing Expected Consumption During the 1996-97 Heating Season

Figure FE6 shows expected consumption for the 1996-97 heating season as well as the upcoming 1997-98 heating season. To make the data comparable in the graph, the value for expected consumption for the 1996-97 heating season was computed in the same way as was expected consumption for the 1997-98 heating season. That is, the 1996-97 value was derived using the same regression

equation, assuming normal temperatures for the 1996-97 heating season months (thus, using the 30-year average temperatures for these months), and using the trend integer of 8 along with the other regression coefficients. In other words, expected consumption for the 1996-97 heating season was computed as if that heating season had not already occurred. The value computed in this manner is approximately 5,941 billion cubic feet (Bcf).

An alternative method of computing an estimate for this value was also used. This method involved reestimating

the regression equation after dropping the observations corresponding to the 1996-97 heating season, then using the regression coefficients thus obtained to compute estimated consumption for the 1996-97 heating season. The value thus obtained is approximately 5,997 Bcf—only 56 Bcf, or slightly less than 1 percent, greater than the above estimate. It was therefore decided to use the estimated value derived from the original regression, as described above.

Highlights

Overview

This issue of the *Natural Gas Monthly* provides the first estimates of data for the complete year 1997 in the areas of production, net imports, net storage withdrawals, and consumption. Most natural gas price estimates extend through September 1997. This issue also presents the article, "Recent Trends in Natural Gas Spot Prices." The article discusses the volatility in spot prices during recent winter periods. It focuses primarily on conditions and developments in the East Consuming Region and their connection to prices at the Henry Hub in the Producing Region.

Highlights of the most recent data estimates are:

- Dry natural gas production is estimated to be 18,963 billion cubic feet in 1997, 1 percent higher than in 1996. A higher level of production has not been seen since 1981, when 19,181 billion cubic feet was produced.
- End-use consumption is estimated to be 20,107 billion cubic feet in 1997, one-half percent above the record-setting level of 1996.
- Industrial consumption of natural gas, which accounts for 44 percent of all end-use consumption, increased by only 0.4 percent in 1997, reaching 8,903 billion cubic feet.

• The national average wellhead price for natural gas in September 1997 is \$2.44 per thousand cubic feet, 32 percent above that of September 1996. The rise in the wellhead price reflects the behavior of both the spot and futures market prices at the Henry Hub during the same period. Increased levels of gas-fired electricity generation in the State of Texas may have contributed to the rise in supply prices this September.

Supply

Dry natural gas production is estimated to be 18,963 billion cubic feet (Bcf) in 1997, 1 percent higher than in 1996 (Table 1, Figure HI1). This level of production has not been reached since 1981 when dry production was 19,181 Bcf. Net imports increased by nearly 2 percent in 1997, reaching an estimated 2,834 Bcf (Table 2). These supplies supported an estimated 22,074 Bcf in total natural gas consumption in 1997, a one-half percent increase above the 1996 level. Net changes in storage were nearly balanced during the calendar year as 1997 had an estimated 58 Bcf of net injections.

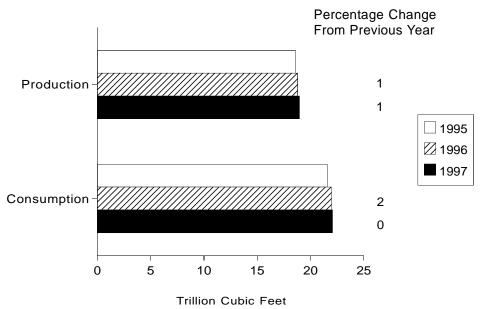
Average daily production in most months of 1997 exceeded that of 1996 by 1 to 2 percent. The highest production rate of the year was 54.6 billion cubic feet per day in March, which exceeded that of last March by 6 percent.

New Storage Table Presentations for the January 1998 Issue

Beginning with the January 1998 issue of the *Natural Gas Monthly*, the Energy Information Administration (EIA) will publish a new table showing total U.S. underground natural gas storage activities in salt dome storage facilities and in all other types of storage operations. Tables showing the separate storage activities for interstate and intrastate operators will be discontinued. EIA will also publish a table of storage activities summed by the heating and refill seasons, in addition to the existing table summed by calendar year.

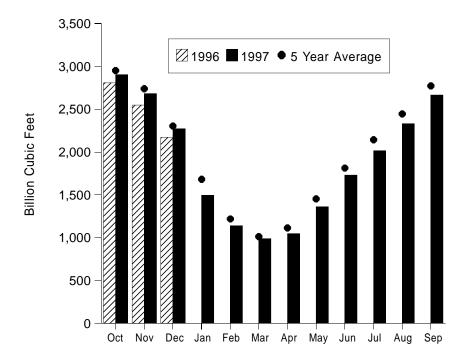
The American Gas Association (AGA) publishes natural gas storage estimates weekly. These data are presented by three regions: Eastern Consuming Region, Producing Region, and Western Consuming Region. The State-level storage activities in Table 12 and 13 of the *Natural Gas Monthly* will also be summed by the AGA regions so that data users may readily compare the EIA and AGA data series.

Figure HI1. Natural Gas Production and Consumption, January-December, 1995-1997



Source: Table 2.

Figure HI2. Working Gas in Underground Storage in the United States, 1995-1997



Note: The 5-year average is calculated using the latest available monthly data. For example, the December average is calculated from December storage levels for 1992 to 1996 while the January average is calculated from January levels for 1993 to 1997. Data are reported as of the end of the month, thus October data represent the beginning of the heating season.

Sources: Form EIA-191, "Underground Natural Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and Short-Term Integrated Forecasting System.

Net imports of natural gas, most of which come from Canada, have increased every year in the 1990s, but the rate of increase has declined since 1992. In 1992, net imports were 1,922 billion cubic feet, a 17-percent increase above the 1991 level. By 1997, net imports were just 2 percent above the 1996 level. The lack of pipeline capacity has constrained the growth in imports in recent years, but pipeline expansions and new projects are expected to come online in the fall of 1998 and 1999.

Survey data are now available on storage activities through October 1997 (Table 9). These data show an estimated 2,905 billion cubic feet of working gas in underground storage at the beginning of the 1997-98 heating season (November 1 - March 31), more than 3 percent above the level of a year ago. Projections of net withdrawals for November and December 1997 of 221 and 410 billion cubic feet, respectively, leave 2,274 billion cubic feet of working gas at the end of the year, nearly 5 percent above the level at the end of 1996 (Figure HI2).

End-Use Consumption

The preliminary estimate of end-use consumption of natural gas in 1997 indicates that the historical record that was broken last year may be exceeded again when data are finalized. It is estimated that 20,107 billion cubic feet of natural gas was consumed by end users in 1997, one-half percent above that of 1996. (Before last year, the previous record had been 19,880 billion cubic feet, set in 1972). Estimates of commercial and industrial consumption in 1997 are close to their levels in 1996, while residential consumption is down by 4 percent (Figure HI3). The estimate of natural gas consumption by electric utilities is only available through September 1997, but this sector has consumed 6 percent more natural gas thus far in 1997 than in 1996.

Residential and commercial consumption of natural gas are estimated to be 5,041 and 3,220 billion cubic feet, respectively, in 1997 (Table 3). Cold weather in the early months of 1996 resulted in more residential use of natural gas for space heating than occurred in 1997. Thus in 1997, residential consumption was 200 billion cubic feet less than in 1996. The 1997 level of commercial consumption is 2 percent above that of 1996.

Industrial consumption of natural gas is estimated to be 8,903 billion cubic feet in 1997, only 0.4 percent higher than in 1996. The industrial sector accounted for 44 percent of all end-use consumption in both 1996 and 1997.

The cumulative estimate of natural gas consumption by electric utilities is 2,339 billion cubic feet through September 1997. This is 6 percent higher than consumption during the same period last year.

The most recent monthly estimate of electric utility consumption is 332 billion cubic feet in September 1997. This level is 16 percent higher than in September 1996. Two events in Texas, which alone accounts for approximately one-third of U.S. natural gas consumption by electric utilities, may be partly responsible for this increase. First, coal delivery problems on the Union Pacific Railroad have continued, causing Texas utilities to burn natural gas in place of coal in an attempt to conserve their coal stocks. Second, hot weather in the Southwest increased the demand for air-conditioning, which in turn increased the demand for electricity. Electricity generation in Texas during September 1997 was almost 20 percent higher than a year ago. The net result is that electric utilities in

Texas consumed an estimated 126 billion cubic feet of natural gas in September 1997, 39 percent more than in September 1996 (Table 17).

Prices

The natural gas wellhead price is estimated to average \$2.44 per thousand cubic feet in September 1997, 10 percent higher than in August (Table 4). This increase is similar to price increases seen in the spot and futures markets during the same month. The accompanying article in this issue presents several factors that may be behind the general rise in prices in the early fall of 1997. Among them is the increased use of natural gas by electric utilities in Texas. The estimated wellhead price in September 1997 is 32 percent above that of September 1996. Cumulatively for 1997, the wellhead price is averaging \$2.31 per thousand cubic feet, 14 percent above the level of a year ago.

September 1997 estimates of average natural gas prices to end users are relatively close to August levels for the residential and commercial sectors, but industrial users saw an average 9-percent price rise compared with August. The average price of natural gas to electric utilities in August 1997, the most recent estimate available, is 4 percent higher than in July. Cumulatively for the year, end-use prices are higher than in 1996 except for the electric utility price, which is 3 percent below last year's level (Figure HI4).

¹Energy Information Administration, "Natural Gas Weekly Market Update," December 8, 1997, http://www.eia.doe.gov.

^{. &}lt;sup>2</sup>End-use prices in the residential, commercial, and industrial sectors are for onsystem gas sales only. While monthly onsystem sales are nearly 100 percent of residential deliveries, in 1997 they have been from 54 to 73 percent of commercial deliveries and only 13 to 18 percent of industrial deliveries (Table 4).

Percentage Change From Previous Year Residential-8 -4 Commercial -2 2 1995 **2** 1996 3 Industrial-1997 0 Electric -14 Utilities

6

8

10

Figure HI3. Natural Gas Delivered to Consumers, January-December, 1995-1997

Note: The reporting of electric utility deliveries is 3 months behind the reporting of other deliveries. Source: Table 3.

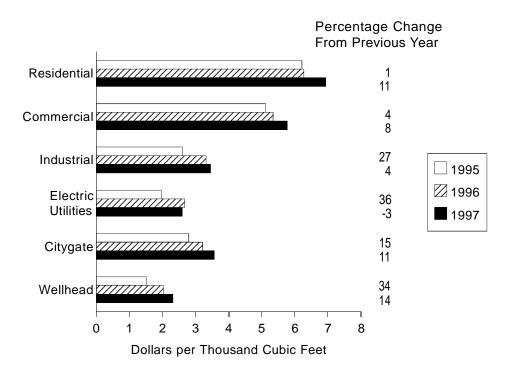
Trillion Cubic Feet

4

0

2

Figure HI4. Average Delivered and Wellhead Natural Gas Prices, January-September 1995-1997



Note: Commercial and industrial average prices reflect on system sales only. The reporting of electric utility prices is 1 month behind the reporting of other prices..

Source: Table 4.

The average price of natural gas paid by residential customers in September 1997 is estimated to be \$8.55 per thousand cubic feet, 7 percent higher than in September 1996. Commercial users paid an estimated \$5.62 per thousand cubic feet for natural gas in September 1997, 3 percent more than the price paid last September.

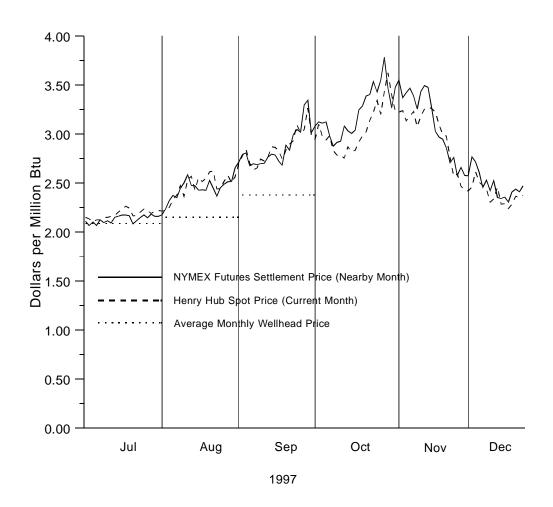
In the industrial sector, the average price of natural gas rose to an estimated \$3.23 per thousand cubic feet in September 1997, exceeding the level of September 1996 by 17 percent. However, the cumulative average price for the year of \$3.45 is only 4 percent above that for the same period in 1996.

Monthly estimates of the average price of natural gas to electric utilities in 1997 have been lower than those of 1996 in every month beginning with February, although

the August estimate is only 1 percent lower than last year. Electric utilities are estimated to have paid \$2.54 per thousand cubic feet for natural gas in August 1997.

The spot and futures price series tracked by this report continued the decline begun in mid- November (Figure HI5). By Monday, December 15, the average spot price at the Henry Hub had fallen to \$2.24 per million Btu, 15 percent lower than the previous high for the month on December 2. Similarly, the futures settlement price on the January 1998 contract at the Henry Hub had fallen to \$2.307 per million Btu by December 15, down 17 percent from the previous high on December 1. Both price series then rose 6 to 7 percent by Friday, December 19. Still, during these middle weeks of December, the January futures contract has traded at \$1.00 to \$2.00 below the levels of a year ago.

Figure HI5. Futures and Spot Prices at the Henry Hub and Average Wellhead Price



Note: The futures price is for the contract that is to terminate trading next on the futures market. The spot price is the midpoint of the hig and low daily prices at Henry Hub.

Sources: Futures Prices: Commodity Futures Trading Commission, Division of Economic Analysis. Spot Prices: Pasha Publications, Inc., Gas Daily. Wellhead Prices: Table 4.

Table 1. Summary of Natural Gas Production in the United States, 1991-1997 (Billion Cubic Feet)

| Year and Month | Gross Withdrawals | Repressuring | Nonhydrocarbon Gases Removed ^a | Vented and Flared | Marketed Production (Wet) | Extraction Loss ^b | Dry Gas Production ^c |
|---------------------------------|----------------------|-------------------|---|-------------------------|---------------------------------|------------------------------------|--|
| 1991 Total | 21.750 | 2,772 | 276 | 170 | 18,532 | 835 | 17,698 |
| 1992 Total | 22,132 | 2,973 | 280 | 168 | 18,712 | 872 | 17,840 |
| 1993 Total | 22,726 | 3,103 | 414 | 227 | 18,982 | 886 | 18,095 |
| 1994 Total | 23,581 | 3,231 | 412 | 228 | 19,710 | 889 | 18,821 |
| 1995 | | | | | | | |
| January | 2.043 | 311 | 34 | 21 | 1.677 | 78 | 1,599 |
| February | 1.822 | 276 | 30 | 20 | 1,495 | 70 | 1,426 |
| March | 2,026 | 314 | 32 | 20 | 1,660 | 77 | 1,582 |
| April | 1,945 | 287 | 32 | 21 | 1,604 | 75 | 1,530 |
| • | 1,997 | 291 | 33 | 24 | 1,649 | 73 77 | 1,530 |
| May | , | | | | | | , - |
| June | 1,910 | 264 | 31 | 28 | 1,587 | 74 | 1,513 |
| July | 1,960 | 264 | 31 | 26 | 1,639 | 76 | 1,563 |
| August | 1,965 | 284 | 30 | 22 | 1,628 | 76 | 1,552 |
| September | 1,914 | 276 | 33 | 25 | 1,581 | 74 | 1,507 |
| October | 1,988 | 319 | 34 | 25 | 1,610 | 75 | 1,535 |
| November | 2,045 | 331 | 33 | 24 | 1,657 | 77 | 1,580 |
| December | 2,128 | 348 | 35 | 26 | 1,719 | 80 | 1,639 |
| Total | 23,744 | 3,565 | 388 | 284 | 19,506 | 908 | 18,599 |
| 1996 | | | | | | | |
| January | 2,052 | 310 | 44 | 26 | 1,673 | 81 | 1,591 |
| February | 1,941 | 294 | 41 | 24 | 1,580 | 77 | 1,504 |
| March | 2.054 | 313 | 45 | 23 | 1.674 | 81 | 1.592 |
| April | 2,003 | 289 | 42 | 22 | 1,650 | 80 | 1,570 |
| May | 2,025 | 281 | 42 | 23 | 1,679 | 81 | 1,598 |
| June | 1,962 | 276 | 36 | 16 | 1,634 | 79 | 1,555 |
| July | 2,008 | 271 | 42 | 24 | 1,672 | 81 | 1,591 |
| • | 2,000 | 281 | 45 | 24 | 1,672 | 81 | 1,591 |
| August | , - | | | | , - | | , |
| September | 1,958 | 283 | 44 | 22 | 1,609 | 78 | 1,531 |
| October | 2,011 | 306 | 44 | 23 | 1,638 | 79 | 1,558 |
| November | 1,984 | 299 | 47 | 23 | 1,615 | 78 | 1,537 |
| December | 2,032 | 307 | 46 | 23 | 1,656 | 80 | 1,576 |
| Total | 24,052 | 3,510 | 518 | 272 | 19,751 | 958 | 18,793 |
| 1997 | | | | | | | |
| January | E2,082 | €327 | 41 | E 21 | E1,693 | 79 | 1,614 |
| February | [€] 1,905 | [€] 301 | 38 | E 19 | [€] 1,548 | 72 | 1,476 |
| March | E2,086 | ^E 321 | 34 | E22 | E1,708 | 80 | 1,629 |
| April | E1,974 | [€] 296 | 33 | ^E 21 | E1,625 | 76 | 1,549 |
| May | E2,055 | ^E 313 | E33 | ^E 21 | E1,688 | 79 | 1,609 |
| June | €1,962 | [€] 294 | 31 | €20 | E1,616 | 75 | 1,541 |
| July | RE2.031 | E295 | 34 | RE22 | RE1,681 | R78 | R1,603 |
| August | RE2.015 | RE283 | RE34 | RE22 | RE1,677 | 78 | R1.599 |
| | ^{RE} 1,957 | ^{RE} 284 | E32 | E21 | E1.620 | ^F 75 | E1,545 |
| September | RE2.009 | RE 288 | RE33 | RE21 | | -75 RE78 | 1,040 RE4 500 |
| October | 2,009 NA | NA NA | NA NA | NA | E1,666 | | RE1,588 |
| November(STIFS) December(STIFS) | NA NA | NA NA | NA NA | NA | E1,658 E1,717 | ^E 80 ^E 84 | ^E 1,578 ^E 1,633 |
| Total | NA | NA | NA | NA | E19,897 | [€] 934 | E18,963 |

a See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.
b Extraction loss is only collected on an annual basis. Annually it is between 4 and 5 percent of marketed production. Monthly extraction loss is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.
c Equal to marketed production (wet) minus extraction loss.
e Revised Data.
e E = Estimated Data.
e = Revised Estimated Data.
NA = Not Available.
Notes: Data for 1991 through 1996 are final. All other data are preliminary unless otherwise indicated and contain estimates for selected States (see Table 7). Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.
Sources: 1991-1996: Energy Information Administration (EIA), Natural Gas Annual 1996. January 1997 through current month: Form EIA-895, "Monthly Quantity of Natural Gas Report," STIFS, and EIA estimates. See Appendix A, Explanatory Notes 1, 3, and 6, for discussion of computation, estimating procedures, and revision policy.

procedures, and revision policy.

Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1991-1997 (Billion Cubic Feet)

| Year and Month | Dry Gas Production | Supplemental Gaseous Fuels ^a | Net Imports | Net Storage Withdrawals ^b | Balancing Item ^c | Consumptiond |
|------------------------------------|-----------------------|---|------------------|--|--------------------------------|--------------------|
| 1991 Total | 17,698 | 113 | 1,644 | 80 | -500 | 19,035 |
| 1992 Total | 17,840 | 118 | 1,921 | 173 | -508 | 19,544 |
| 993 Total | 18.095 | 119 | 2,210 | -36 | -110 | 20.279 |
| 994 Total | 18,821 | 111 | 2,462 | -286 | -400 | 20,708 |
| 1995 | | | | | | |
| January | 1,599 | 12 | 240 | 613 | -60 | 2.403 |
| February | 1,426 | 10 | 223 | 531 | 17 | 2,207 |
| | 1,582 | 10 | 236 | 228 | 42 | 2,098 |
| March | | | | | | |
| April | 1,530 | 7 | 220 | -51 | 74 | 1,780 |
| May | 1,572 | 8 | 216 | -343 | 115 | 1,567 |
| June | 1,513 | 8 | 202 | -380 | 52 | 1,395 |
| July | 1,563 | 8 | 208 | -313 | 30 | 1,497 |
| August | 1,552 | 8 | 223 | -212 | -24 | 1,548 |
| September | 1,507 | 7 | 216 | -321 | -17 | 1,393 |
| October | 1,535 | 9 | 224 | -210 | -72 | 1,486 |
| | | 10 | 224 | 278 | -206 | |
| November | 1,580 | | | | | 1,886 |
| December | 1,639 | 12 | 256 | 595 | -181 | 2,321 |
| Total | 18,599 | 110 | 2,687 | 415 | -230 | 21,581 |
| 996 | | | | | | |
| January | 1,591 | 12 | 249 | 723 | -2 | 2,574 |
| February | 1,504 | 11 | 221 | 462 | 138 | 2,335 |
| March | 1,592 | 11 | 226 | 333 | 46 | 2,209 |
| April | 1,570 | 9 | 227 | -119 | 139 | 1.826 |
| May | 1,578 | 6 | 244 | -339 | 67 | 1,576 |
| | , | - | | | | , |
| June | 1,555 | 8 | 214 | -388 | 65 | 1,454 |
| July | 1,591 | 8 | 222 | -382 | -3 | 1,436 |
| August | 1,590 | 8 | 221 | -358 | 4 | 1,465 |
| September | 1,531 | 8 | 227 | -379 | 12 | 1,399 |
| October | 1,558 | 9 | 236 | -210 | -62 | 1,531 |
| November | 1,537 | 10 | 238 | 272 | -161 | 1,896 |
| December | 1,576 | 10 | 259 | 387 | 35 | 2,266 |
| Total | 18,793 | 109 | 2,784 | 2 | 279 | 21,967 |
| 1997 | | | | | | |
| January | 1,614 | 12 | [€] 264 | 683 | -55 | 2,519 |
| February | 1,476 | 11 | ^E 231 | 358 | R177 | R2.253 |
| | 1,629 | 10 | E243 | 156 | R53 | R2.091 |
| March | | | | | | |
| April | 1,549 | 9 | E221 | -59 | R63 | R1,784 |
| May | 1,609 | 9 | E229 | -322 | ^R 66 | R1,592 |
| June | _1,541 | 7 | ^E 226 | -366 | _ 22 | ^R 1,431 |
| July | R1,603 | 8 | E222 | -274 | R-23 | ^R 1,536 |
| August | R1,599 | 9 | RE233 | -323 | R-1 | R1,516 |
| September | E1,545 | E7 | RE229 | -330 | ^R -12 | R1,439 |
| October | RE1,588 | REG | RE229 | R-212 | RE-27 | E1.587 |
| | E1.578 | E11 | E241 | RE221 | RE-120 | RE1,931 |
| November(STIFS) December(STIFS) | E1,633 | E12 | E265 | E410 | E74 | E2,394 |
| Total | E18,963 | [€] 116 | E2,834 | ^E -58 | [€] 219 | E22,074 |

^a Supplemental gaseous fuels data are only collected on an annual basis except for the Dakota Gasification Inc. coal gasification facility which provides data each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Inc.) to the sum of dry gas production, net imports, and net withdrawals from each month. The ratio of annual supplemental rules (excluding Dakota cashication inc.) to the sum of dry gas production, net imports, and net withdrawais storage is calculated. This ratio, which varies between .0025 and .0037, is applied to the monthly sum of these three elements. The Dakota Gasification Inc. monthly value is added to the result to produce the monthly supplemental fuels estimate.

b Monthly and annual data for 1991 through 1996 include underground storage and liquefied natural gas storage. Data for January 1997 forward include underground storage only. See Appendix A, Explanatory Note 7 for discussion of computation procedures.
c Represents quantities lost and imbalances in data due to differences among data sources. See Appendix A, Explanatory Note 9, for full discussion.
d Consists of pipeline fuel use, lease and plant fuel use, vehicle fuel, and deliveries to consuming sectors as shown in Table 3.

E = Estimated Data.

E = Estimated Data.

RE = Revised Estimated Data.

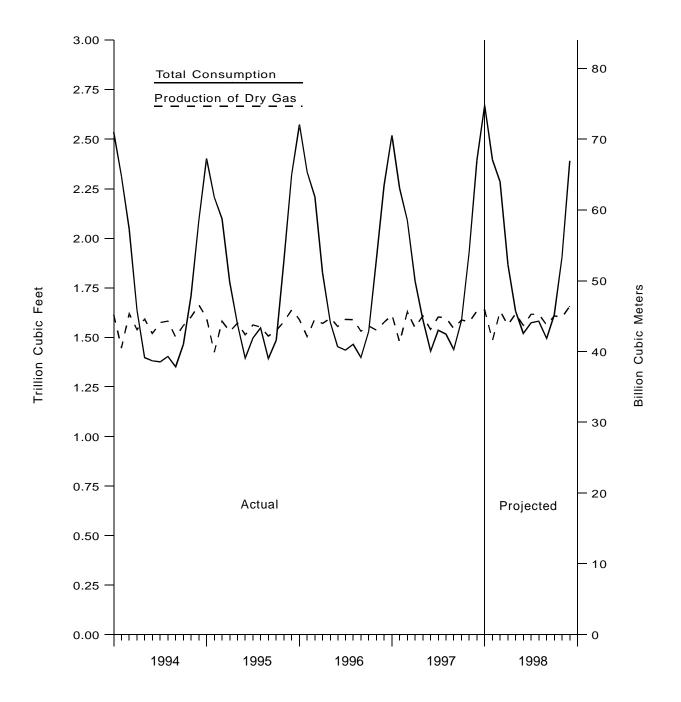
Notes: Data for 1991 through 1996 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1991-1996: Energy Information Administration (EIA), *Natural Gas Annual 1996*, 1994-1995: EIA: Form EIA-627, "Annual Quantity and Value of

Sources: 1991-1995: Lenergy information Administration (EIA), *Natural Gas Annual* 1996, 1994-1995. EIA: Form EIA-627, Annual Quantity and Value of Natural Gas Report" (1995 data only), Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-191, "Monthly Underground Gas Storage Report," Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas," Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," EIA computations and *Natural Gas Annual* 1996. January 1997 through current month: EIA, Form EIA-895, "Monthly Quantity of Natural Gas Report," Form EIA-857, Form EIA-191, EIA computations, and estimates, Short-Term Integrated Forecasting System (STIFS) computations, and Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports. See Appendix A for dicussion of computation and estimation procedures and revision policies.

⁼ Revised Data. = Estimated Data.

Figure 1. Production and Consumption of Natural Gas in the United States, 1994-1998



Sources: 1994 through the current month: Table 2. Projected data: Energy Information Administration, Short-Term Energy Outlook (October 1996).

Table 3. Natural Gas Consumption in the United States, 1991-1997

(Billion Cubic Feet)

| Year | Lease and | | | | | | | |
|--------------|----------------------------|-------------------------------|--------------------|------------------|--------------------|-----------------------|--------------------|----------------------|
| and Month | Plant Fuel ^a | Pipeline Fuel ^b | Residential | Commercial | Industrial | Electric Utilities | Total | Total Consumption |
| 1991 Total | 1.129 | 601 | 4,556 | °2.729 | 7,231 | 2.789 | 17,305 | 19.035 |
| 1992 Total | 1,171 | 588 | 4.690 | °2,803 | 7,527 | 2,766 | 17,786 | 19,544 |
| 1993 Total | 1,172 | 624 | 4,956 | °2.863 | 7.981 | 2,682 | 18,483 | 20.279 |
| 994 Total | 1,124 | 685 | 4,848 | °2,897 | 8,167 | 2,987 | 18,899 | 20,708 |
| 995 | | | | | | | | |
| January | 105 | 79 | 816 | 427 | 777 | 199 | 2.218 | 2.403 |
| February | 94 | 73 | 754 | 411 | 707 | 168 | 2.040 | 2,207 |
| March | 104 | 69 | 600 | 342 | 738 | 245 | 1.926 | 2.098 |
| April | 100 | 58 | 419 | 254 | 720 | 229 | 1,622 | 1.780 |
| May | 103 | 50 | 260 | 184 | 711 | 258 | 1,414 | 1,567 |
| June | 99 | 45 | 159 | 133 | 663 | 297 | 1,252 | 1,395 |
| July | 101 | 48 | 131 | 133 | 677 | 407 | 1,347 | 1,497 |
| | 101 | 50 | 114 | 130 | 684 | 468 | 1,347 | 1,548 |
| August | 99 | 50 45 | 114 | 130 | 684 670 | 468 316 | 1,397 | 1,548 |
| September | | | | | | | | |
| October | 102 | 48 | 216 | 171 | 709 | 240 | 1,336 | 1,486 |
| November | 105 | 61 | 489 | 297 | 736 | 198 | 1,720 | 1,886 |
| December | 109 | 76 | 758 | 420 | 786 | 172 | 2,136 | 2,321 |
| Total | 1,220 | 700 | 4,850 | °3,034 | 8,580 | 3,197 | 19,660 | 21,581 |
| 996 | | | | | | | | |
| January | 106 | 85 | 934 | 480 | 800 | 168 | 2,382 | 2,574 |
| February | 101 | 77 | 831 | 443 | 747 | 137 | 2,158 | 2,335 |
| March | 106 | 72 | 705 | 387 | 781 | 156 | 2,030 | 2,209 |
| April | 104 | 59 | 474 | 284 | 736 | 170 | 1,663 | 1.826 |
| May | 106 | 50 | 271 | 183 | 701 | 264 | 1,420 | 1,576 |
| June | 102 | 46 | 162 | 133 | 710 | 299 | 1,305 | 1,454 |
| July | 105 | 46 | 124 | 126 | 677 | 358 | 1,285 | 1,436 |
| August | 105 | 47 | 118 | 123 | 704 | 367 | 1,312 | 1,465 |
| September | 102 | 45 | 138 | 124 | 704 | 285 | 1,253 | 1,399 |
| October | 104 | 49 | 243 | 171 | 737 | 226 | 1,233 | 1,531 |
| | 103 | 62 | 503 | | 764 | 170 | | |
| November | | | | 295 | | | 1,732 | 1,896 |
| December | 105 | 74 | 738 | 409 | 807 | 132 | 2,086 | 2,266 |
| Total | 1,250 | 711 | 5,241 | °3,161 | 8,870 | 2,732 | 20,006 | 21,967 |
| 997 | | | _ | _ | _ | | _ | |
| January | 106 | 82 | ^R 908 | R480 | R804 | 139 | ^R 2,331 | _2,519 |
| February | 97 | 73 | ^R 766 | 427 | 747 | 143 | R2,083 | R2,253 |
| March | 107 | 68 | 604 | 359 | ^R 764 | 189 | R1,917 | R2,091 |
| April | 102 | 58 | 434 | R267 | ^R 731 | 193 | R1,625 | ^R 1,784 |
| May | 106 | 52 | R285 | ^R 206 | 713 | 231 | R1,435 | R1,592 |
| June | 101 | 46 | ^R 161 | 147 | 680 | 295 | R1,283 | R1,431 |
| July | R105 | 50 | 131 | R133 | 691 | 427 | R1,381 | R1,536 |
| August | 105 | 49 | 119 | 134 | ^R 718 | 390 | R1,362 | R1,516 |
| September | R101 | R47 | R132 | R140 | ^R 687 | R332 | R1,291 | R1.439 |
| October | 104 | €53 | E250 | [€] 184 | €765 | NA SSZ | E1,430 | E1,587 |
| November | E103 | €63 | RE495 | RE309 | [€] 775 | NA | RE1.765 | RE1.931 |
| December | E113 | E77 | [€] 756 | [€] 434 | E827 | NA | E2,204 | E2,394 |
| Total | E1,250 | E717 | [€] 5,041 | E3,220 | [€] 8.903 | NA | E20,107 | E22,074 |

a Plant fuel data are only collected on an annual basis and monthly lease fuel data are only collected annually. Lease and plant fuel estimates have been between 6 and 7 percent of marketed production annually. Monthly lease and plant fuel use is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

b Pipeline fuel use is only collected on an annual basis. Annually it is between 3 and 4 percent of total consumption. Monthly pipeline fuel data are estimated

Notes: Data for 1991 through 1996 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent three months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding. In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Sources: 1991-1996: Energy Information Administration (EIA): Form EIA-687; "Annual Quantity and Value of Natural Gas Report," (thru 1994), Form EIA-895

"Monthly Quantity of Natural Gas Report," (1995 forward), Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759, "Monthly Power Plant Report," EIA computations, and Natural Gas Annual 1996. January 1997 through the current month: EIA: Form 895, "Monthly Chapter of Natural Gas Penert" Form 895, "Monthly Power Plant Report," EIA-759, and Natural Gas Penert" Form 895, "Monthly Power Plant Report," EIA-759, "Monthly Power Plant Report," EIA-759, "Monthly Power Plant Report," EIA-759, "Roundity Power Plant Report," Power Plant Report, "EIA-759, "Roundity Power Plant Report," Power Plant Report, "EIA-759, "Roundity Power Plant Report," Plant Report, "EIA-759, "Roundity Pow

Quantity of Natural Gas Report," Form EIA-857, Form EIA-759, and STIFS computations. See Appendix A, Explanatory Note 5, for computation procedures and revision policy.

from monthly total consumption (excluding pipeline fuel) by assuming that the preceding annual percentage remains constant for the next twelve months.

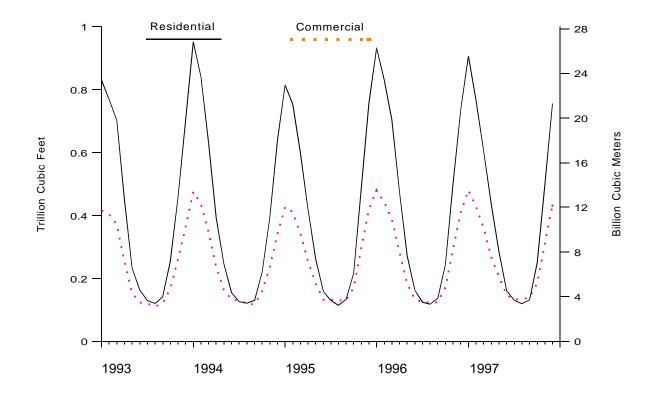
^c Vehicle fuel deliveries, in billion cubic feet, were 0.4 in 1991, 0.5 in 1992, 1.0 in 1993, 1.7 in 1994, 2.7 in 1995 and 2.9 in 1996.

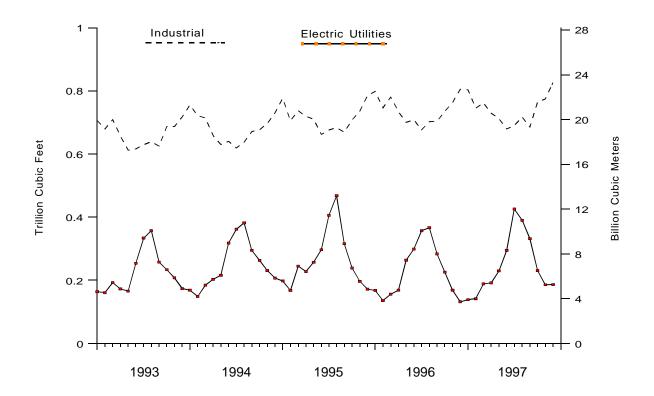
Vehicle fuel deliver
 R = Revised Data.
 E = Estimated Data.

RE = Revised Estimated Data.

NA = Not Available.

Figure 2. Natural Gas Deliveries to Consumers in the United States, 1993-1997





Sources: Natural Gas Annual, Form EIA-857, and Form EIA-759.

Table 4. Selected National Average Natural Gas Prices, 1991-1997

(Dollars per Thousand Cubic Feet)

| V | Wellhead Price ^a | a:. | Delivered to Consumers | | | | | | | |
|----------------------|--------------------------------|---------------------------|---------------------------|-------------------|-------------------------|-------------------|---------------------------|------------|--|--|
| Year and Month | | City Gate Price | Residential | Commercial | | Ind | Electric Utilities | | | |
| Month | | 11100 | Price | Price | % of Total ^b | Price | % of Total ^b | Price | | |
| 1991 Annual Average | 1.64 | 2.90 | 5.82 | 4.81 | 85.1 | 2.69 | 32.7 | 2.18 | | |
| 1992 Annual Average | 1.74 | 3.01 | 5.89 | 4.88 | 83.2 | 2.84 | 30.3 | 2.36 | | |
| 1993 Annual Average | 2.04 | 3.21 | 6.16 | 5.22 | 83.9 | 3.07 | 29.7 | 2.61 | | |
| 1994 Annual Average | 1.85 | 3.07 | 6.41 | 5.44 | 79.3 | 3.05 | 25.5 | 2.28 | | |
| 1995 | | | | | | | | | | |
| January | 1.62 | 2.79 | 5.85 | 5.23 | 81.6 | 2.95 | 27.3 | 2.13 | | |
| February | 1.48 | 2.71 | 5.76 | 5.14 | 81.7 | 2.85 | 27.4 | 2.00 | | |
| March | 1.47 | 2.74 | 5.84 | 5.12 | 81.2 | 2.74 | 26.5 | 1.92 | | |
| April | 1.52 | 2.72 | 6.06 | 5.08 | 77.2 | 2.57 | 25.4 | 1.97 | | |
| May | 1.55 | 2.80 | 6.54 | 5.04 | 71.8 | 2.54 | 23.6 | 2.06 | | |
| , | | | 6.5 4 7.49 | | 71.8 71.4 | | | | | |
| June | 1.58 | 2.89 | | 5.16 | | 2.44 | 24.5 | 2.06 | | |
| July | 1.43 | 2.89 | 7.82 | 5.03 | 67.3 | 2.34 | 22.2 | 1.90 | | |
| August | 1.43 | 2.87 | 8.13 | 4.99 | 66.6 | 2.26 | 21.8 | 1.84 | | |
| September | 1.52 | 2.89 | 7.73 | 4.98 | 67.9 | 2.42 | 22.0 | 1.95 | | |
| October | 1.54 | 2.83 | 6.62 | 4.82 | 69.7 | 2.44 | 22.5 | 2.09 | | |
| November | 1.61 | 2.67 | 5.61 | 4.77 | 75.6 | 2.68 | 24.7 | 2.22 | | |
| December | 1.84 | 2.83 | 5.54 | 5.00 | 79.2 | 3.07 | 25.0 | 2.58 | | |
| Annual Average | 1.55 | 2.78 | 6.06 | 5.05 | 76.7 | 2.71 | 24.5 | 2.02 | | |
| 1996 | | | | | | | | | | |
| January | 2.05 | 3.14 | 5.64 | 5.29 | 83.4 | 3.61 | 23.1 | 2.87 | | |
| February | 1.89 | 3.16 | 5.82 | 5.25 | 83.8 | 3.61 | 23.6 | 3.07 | | |
| March | 1.95 | 3.17 | 5.93 | 5.36 | 81.7 | 3.52 | 23.3 | 2.73 | | |
| April | 2.08 | 3.22 | 6.27 | 5.34 | 79.3 | 3.42 | 21.4 | 2.68 | | |
| • | 2.01 | | 6.84 | 5.40 | | | 19.6 | 2.52 | | |
| May | | 3.18 | | | 73.9 | 3.14 | | | | |
| June | 2.08 | 3.41 | 7.83 | 5.43 | 69.3 | 3.13 | 17.6 | 2.59 | | |
| July | 2.25 | 3.49 | 8.64 | 5.46 | 67.3 | 3.17 | 19.1 | 2.69 | | |
| August | 2.10 | 3.46 | 8.73 | 5.56 | 65.9 | 3.05 | 18.1 | 2.57 | | |
| September | 1.85 | 3.05 | 7.99 | 5.46 | 66.9 | 2.77 | 17.6 | 2.24 | | |
| October | 1.94 | 2.94 | 7.05 | 5.33 | 68.8 | 2.89 | 18.1 | 2.37 | | |
| November | 2.50 | 3.46 | 6.37 | 5.40 | 76.1 | 3.57 | 19.0 | 3.04 | | |
| December | 3.26 | 4.18 | 6.47 | 5.78 | 78.4 | 4.20 | 20.7 | 3.98 | | |
| Annual Average | 2.17 | 3.34 | 6.34 | 5.40 | 77.6 | 3.42 | 20.2 | 2.69 | | |
| 1997 | | | | | | | | | | |
| January | €3.66 | 4.27 | ^R 6.71 | ^R 6.08 | 72.6 | 4.60 | ^R 18.4 | 4.04 | | |
| February | E2.60 | 3.78 | ^R 6.75 | 5.97 | 72.2 | ^R 4.19 | 16.7 | 2.98 | | |
| March | E1.72 | 3.06 | 6.49 | 5.69 | ^R 68.8 | R3.39 | 16.3 | 2.30 | | |
| April | E1.82 | 2.90 | ^R 6.53 | 5.44 | ^R 66.5 | 3.01 | 16.0 | 2.30 | | |
| May | E2.04 | 3.16 | ^R 6.80 | 5.39 | 59.7 | 2.95 | 15.6 | 2.41 | | |
| June | E2.18 | R3.44 | ^R 8.12 | ^R 5.66 | ^R 57.1 | R3.10 | 15.2 | 2.52 | | |
| | RE2.15 | R3.61 | R8.46 | 5.56 | ^R 55.3 | R2.96 | R13.4 | 2.44 | | |
| July | E2.15 | | | | | | | | | |
| August September | E2.21 | ^R 3.44 3.61 | ^R 8.70 8.55 | 5.48 5.62 | 53.8 54.3 | 2.96 3.23 | ^R 12.9 13.0 | 2.54 NA | | |
| 1997 YTD: | ^E 2.31 | 3.56 | 6.93 | 5.76 | 65.9 | 3.45 | 15.4 | 2.59 | | |
| | | | | | | | | | | |
| 1996 YTD | 2.03 | 3.21 | 6.27 | 5.34 | 78.4 | 3.31 | 19.6 | 2.67 | | |
| 1995 YTD | 1.51 | 2.79 | 6.21 | 5.12 | 76.9 | 2.60 | 24.2 | 1.96 | | |

Notes: Data for 1991 through 1996 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use

was classified as commercial use. See Explanatory Note 5 for further explanation.

Sources: 1990-1996: Energy Information Administration (EIA) *Natural Gas Annual 1996.* 1997 forward: EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and EIA estimates. January 1997 through current month: See Appendix A, Explanatory Note 8 for estimation procedures and revision policy.

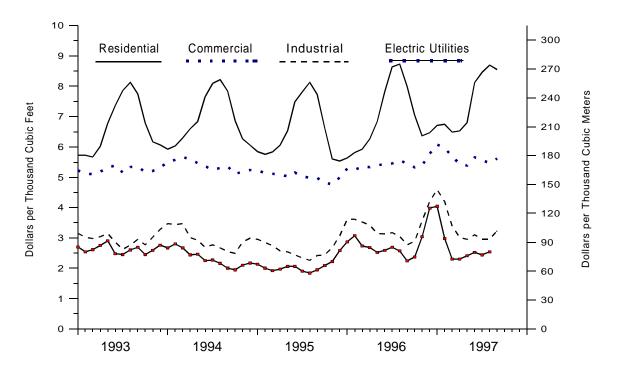
 ^a See Appendix A, Explanatory Note 8, of the *Natural Gas Monthly (NGM)* for discussion of wellhead prices.
 ^b Percentage of total deliveries represented by onsystem sales, see Figure 6. See Table 24 for breakdown by State.
 ^c Year-to-date price represents months for which price information is available in the current year.

R = Revised Data.
E = Estimated Data.

RE = Revised Estimated Data.

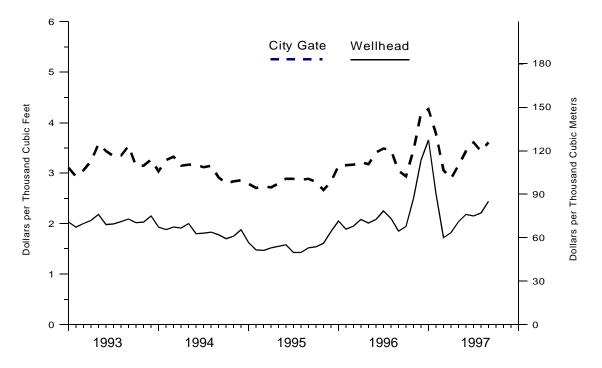
NA = Not Available.

Figure 3. Average Price of Natural Gas Delivered to Consumers in the United States, 1993-1997



Source: Table 4.

Figure 4. Average Price of Natural Gas in the United States, 1993-1997



Source: Table 4.

Table 5. U.S. Natural Gas Imports, by Country, 1991-1997

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

| | | Pipe | line | | | LN | IG | | Tota | al |
|-------------|------------|------------------|---------|------------------|--------|------------------|--------------------|------------------|------------|---------|
| Year and | Canada | | Mexic | СО | Alger | ia | Other | | | Average |
| Month | Volume | Average Price | Volume | Average Price | Volume | Average Price | Volume | Average Price | Volume | Price |
| 1991 Total | 1,709,716 | 1.81 | _ | _ | 63,596 | 2.36 | _ | _ | 1,773,313 | 1.83 |
| 1992 Total | 2,094,387 | 1.84 | _ | _ | 43,116 | 2.54 | _ | _ | 2,137,504 | 1.85 |
| 1993 Total | 2,266,751 | 2.02 | 1,678 | 1.94 | 81,685 | 2.20 | _ | _ | 2,350,115 | 2.03 |
| 1994 Total | 2,566,049 | 1.86 | 7,013 | 1.99 | 50,778 | 2.28 | _ | _ | 2,623,839 | 1.87 |
| 1995 | | | | | | | | | | |
| January | 250,666 | 1.59 | 158 | 1.38 | 2,511 | 2.40 | _ | _ | 253,335 | 1.60 |
| February | 233,404 | 1.45 | 0 | _ | 2,573 | 1.81 | _ | _ | 235,977 | 1.46 |
| March | 247,578 | 1.39 | 150 | 1.50 | 2,621 | 2.45 | _ | _ | 250,349 | 1.40 |
| April | 231,745 | 1.37 | 0 | _ | 0 | _ | _ | _ | 231,745 | 1.37 |
| May | 225,682 | 1.45 | 0 | _ | 2,576 | 1.89 | _ | _ | 228,259 | 1.46 |
| June | 217,456 | 1.47 | 0 | _ | 0 | _ | _ | _ | 217,456 | 1.47 |
| July | 222,652 | 1.40 | 0 | _ | 0 | _ | _ | _ | 222,652 | 1.40 |
| August | 233,419 | 1.33 | 824 | 1.53 | 2,648 | 2.42 | _ | _ | 236,891 | 1.34 |
| September | 223,836 | 1.43 | 3,872 | 1.53 | 0 | | _ | _ | 227,708 | 1.43 |
| October | 234,284 | 1.48 | 1,718 | 1.56 | 0 | _ | _ | _ | 236,003 | 1.48 |
| November | 233,857 | 1.60 | 0 | - | 2.487 | 2.47 | _ | _ | 236,344 | 1.61 |
| December | 261,828 | 1.79 | 0 | _ | 2,502 | 2.65 | _ | _ | 264,329 | 1.80 |
| Total | 2,816,408 | 1.48 | 6,722 | 1.53 | 17,918 | 2.30 | _ | _ | 2,841,048 | 1.49 |
| 1996 | | | | | | | | | | |
| January | 259.656 | 2.08 | 1.499 | 2.03 | 2.460 | 2.81 | _ | _ | 263.615 | 2.09 |
| February | 230,546 | 1.94 | 698 | 2.14 | 2,512 | 2.79 | _ | _ | 233,756 | 1.95 |
| March | 237,668 | 1.91 | 1,259 | 2.34 | 2,599 | 3.06 | _ | _ | 241,526 | 1.92 |
| April | 230,928 | 1.86 | 1,369 | 2.18 | 4,559 | 2.43 | _ | _ | 236,857 | 1.87 |
| May | 245,522 | 1.70 | 4,024 | 2.14 | 2,612 | 2.58 | _ | _ | 252,158 | 1.72 |
| June | 225.875 | 1.70 | 711 | 2.35 | 2,012 | 2.50 | _ | _ | 226.587 | 1.70 |
| | -, | 1.70 | | | | 3.00 | _ | _ | -, | 1.70 |
| July | 232,908 | | 1,313 | 2.58 | 2,642 | | _ | _ | 236,864 | |
| August | 235,199 | 1.80 | 30 | 1.70 | 2,629 | 2.56 | 20 504 | _ | 237,858 | 1.80 |
| September | 234,206 | 1.60 | 770 | 1.69 | 0 | | ^a 2,524 | 3.34 | 237,500 | 1.62 |
| October | 241,294 | 1.68 | 1,110 | 2.37 | 5,116 | 2.96 | _ | _ | 247,520 | 1.71 |
| November | 245,795 | 2.25 | 982 | 2.85 | 5,031 | 2.59 | | | 251,807 | 2.26 |
| December | 263,681 | 3.00 | 96 | 3.30 | 5,164 | 2.51 | ^a 2,425 | 3.57 | 271,366 | 3.00 |
| Total | 2,883,277 | 1.96 | 13,862 | 2.25 | 35,325 | 2.70 | 4,949 | 3.45 | 2,937,413 | 1.97 |
| 1997 | | | | | | | | | | |
| January | 264,919 | 2.93 | 1,375 | 3.08 | 7,560 | 2.78 | ^a 2,417 | 3.68 | 276,271 | 2.93 |
| February | 233,569 | 2.49 | 2,248 | 2.44 | 7,667 | 3.00 | _ | _ | 243,484 | 2.51 |
| March | 254,416 | 2.10 | 2,737 | 1.84 | 2,530 | 2.98 | _ | _ | 259,683 | 2.11 |
| April | 232,114 | 1.72 | 189 | 1.92 | 2,557 | 2.23 | _ | _ | 234,860 | 1.72 |
| May | 232,065 | 1.82 | 2,382 | 2.03 | 2,552 | 2.20 | ^b 2,455 | 2.59 | 239,455 | 1.83 |
| June | 228,505 | 1.82 | 1,694 | 2.21 | 5,059 | 2.48 | _ | _ | 235,258 | 1.83 |
| July | 225,528 | NA | E817 | NA | 5,026 | NA | _ | _ | E231,371 | NA |
| August | R241,036 | NA | E0 | NA | 7,535 | NA | _ | _ | RE248,572 | NA |
| September | RE233,000 | NA | E29 | NA | 5,030 | NA | ^b 2,337 | NA | RE240,396 | NA |
| October | E235,432 | NA | E1,000 | NA | 5,050 | NA | _ | _ | E241,483 | NA |
| 1997 YTD | E2,380,585 | NA | E12,472 | NA | 50,567 | NA | 7,210 | NA | E2,450,833 | NA |
| 1996 YTD | 2,373,801 | 1.81 | 12,784 | 2.20 | 25,131 | NA | 2,524 | 3.34 | 2,414,240 | 1.82 |
| 1995 YTD | 2,320,724 | 1.44 | 6,722 | 1.53 | | 2.20 | | - | | 1.44 |
| 1995 110 | 2,320,724 | 1.44 | 0,722 | 1.55 | 12,929 | 2.20 | _ | _ | 2,340,375 | 1.44 |

a Received from the United Arab Emirates.

b Received from Australia.

R Revised Data.

E Revised Data.

E Stimated Data.

NA Not Available.

NA Not Available.

Not Applicable.

Sources: 1991-1994: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports. Estimated pipeline data (shown with an "E") are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 6. U.S. Natural Gas Exports, by Country, 1991-1997

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

| | | Pipe | eline | | LI | NG | To | otal |
|-------------|--------------------|------------------|--------------------|------------------|--------|------------------|---------------------|----------|
| Year and | Car | nada | Ме | xico | Ja | pan | | Average |
| Month | Volume | Average Price | Volume | Average Price | Volume | Average Price | Volume | Price |
| 1991 Total | 14.791 | 1.91 | 60.448 | 1.76 | 54.005 | 3.71 | 129,244 | 2.59 |
| 1992 Total | 67,777 | 1.83 | 95,973 | 1.90 | 52,532 | 3.43 | 216,282 | 2.25 |
| 1993 Total | 44,518 | 2.14 | 39,676 | 2.02 | 55,989 | 3.34 | 140,183 | 2.59 |
| 1994 Total | 52,556 | 2.42 | 46,500 | 1.68 | 62,682 | 3.18 | 161,738 | 2.50 |
| 1995 | | | | | | | | |
| January | 2,518 | 2.00 | 5,576 | 1.54 | 5,541 | 3.35 | 13,635 | 2.36 |
| February | 2,016 | 2.02 | 5,542 | 1.32 | 5,557 | 3.38 | 13,115 | 2.30 |
| March | 2,387 | 1.92 | 6,670 | 1.36 | 5,573 | 3.39 | 14,630 | 2.22 |
| April | 2,457 | 1.84 | 5,941 | 1.49 | 3,741 | 3.47 | 12,138 | 2.17 |
| May | 1,931 | 2.01 | 6,848 | 1.58 | 3,698 | 3.54 | 12,477 | 2.23 |
| June | 2,106 | 1.91 | 7,945 | 1.59 | 5,556 | 3.59 | 15,606 | 2.34 |
| July | 2,446 | 1.82 | 6,526 | 1.39 | 5,581 | 3.58 | 14,552 | 2.30 |
| August | 2,558 | 1.77 | 3,431 | 1.29 | 7,531 | 3.47 | 13,520 | 2.60 |
| September | 3,336 | 2.03 | 2,378 | 1.47 | 5,656 | 3.36 | 11,370 | 2.58 |
| October | 2,929 | 1.91 | 5,588 | 1.63 | 3,733 | 3.30 | 12,250 | 2.21 |
| November | 1,627 | 2.21 | 3,535 | 1.65 | 7,518 | 3.29 | 12,679 | 2.69 |
| December | 1,244 | 2.43 | 1,303 | 1.82 | 5,599 | 3.31 | 8,146 | 2.94 |
| Total | 27,554 | 1.96 | 61,283 | 1.50 | 65,283 | 3.41 | 154,119 | 2.39 |
| 1996 | | | | | | | | |
| January | 7,044 | 3.13 | 1,607 | 1.98 | 5,534 | 3.38 | 14,186 | 3.10 |
| February | 5,207 | 2.71 | 2,000 | 1.82 | 5,621 | 3.35 | 12,828 | 2.85 |
| March | 6,616 | 2.79 | 2.860 | 1.81 | 5.642 | 3.55 | 15,118 | 2.88 |
| April | 2,430 | 2.21 | 1,924 | 1.69 | 5,654 | 3.57 | 10,008 | 2.88 |
| May | 2,809 | 2.15 | 1,899 | 1.84 | 3,750 | 3.61 | 8,458 | 2.73 |
| June | 3,001 | 2.25 | 3,486 | 2.16 | 5,651 | 3.65 | 12,138 | 2.87 |
| July | 3,777 | 2.45 | 3,062 | 2.24 | 7,546 | 3.66 | 14,385 | 3.04 |
| August | 2.197 | 2.30 | 9,176 | 2.11 | 5,663 | 3.67 | 17,036 | 2.65 |
| September | 2,514 | 1.94 | 2,389 | 1.73 | 5,663 | 3.73 | 10,566 | 2.85 |
| October | 4,311 | 1.97 | 1,990 | 1.85 | 5,589 | 3.84 | 11,889 | 2.83 |
| November | 6,776 | 2.77 | 1,533 | 2.56 | 5,670 | 4.01 | 13,979 | 3.25 |
| December | 5,222 | 3.67 | 1,914 | 3.72 | 5,665 | 3.73 | 12,801 | 3.70 |
| Total | 51,905 | 2.67 | 33,840 | 2.11 | 67,648 | 3.65 | 153,393 | 2.97 |
| 1997 | | | | | | | | |
| January | 4,193 | 4.08 | 2,220 | 4.07 | 5,604 | 4.25 | 12,017 | 4.16 |
| February | 5,169 | 3.02 | 1,666 | 2.32 | 5,596 | 4.29 | 12,431 | 3.50 |
| March | 9,117 | 2.06 | 1,493 | 1.55 | 5,675 | 4.22 | 16,285 | 2.76 |
| April | 5,167 | 1.78 | 3,046 | 1.83 | 5,660 | 4.06 | 13,873 | 2.72 |
| May | 4,108 | 2.09 | 2,177 | 1.96 | 3,812 | 3.98 | 10,097 | 2.77 |
| June | 3.162 | 2.28 | 2,579 | 2.14 | 3,786 | 4.22 | 9.527 | 3.01 |
| July | E2,581 | NA | E2,931 | NA NA | 3,756 | NA | ^E 9,268 | NA NA |
| August | ^E 2,500 | NA | ^E 5,708 | NA | 7,532 | NA | ^E 15,740 | NA |
| September | E2,500 | NA | ^E 5.488 | NA | 3,767 | NA | RE11,756 | NA |
| October | E2,500 | NA | E4,000 | NA | 5,675 | NA | E12,175 | NA |
| 1997 YTD | E40.997 | NA | E31,309 | NA | 50,865 | NA | E123,170 | NA |
| | -, | | , | | , | | , | |
| 1996 YTD | 39,906 | 2.52 | 30,393 | 1.98 | 56,313 | 3.60 | 126,613 | 2.87 |
| 1995 YTD | 24,683 | 1.92 | 56,445 | 1.48 | 52,166 | 3.44 | 133,294 | 2.33 |

E = Estimated Data.

RE = Revised Estimated Data.

NA = Not Available.

Sources: 1991-1994: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports. Estimated pipeline data (shown with an "E") are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 7. Marketed Production of Natural Gas, by State, 1991-1997 (Million Cubic Feet)

| Year and Month | Alabama ^b | Alaska | Arizona | California | Colorado | Florida | Kansas |
|----------------|----------------------|----------|---------|------------|----------|---------|---------|
| 991 Total | 170.847 | 437.822 | 1.225 | 378.384 | 285.961 | 4.884 | 628.45 |
| 992 Total | 355,099 | 443,597 | 771 | 365,632 | 323,041 | 6,657 | 658,00 |
| 993 Total | 388,024 | 430,350 | 597 | 315,851 | 400.985 | 7.085 | 686.34 |
| 994 Total | 515,272 | 555,402 | 752 | 309,427 | 453,207 | 7,486 | 712,73 |
| 995 | | | | | | | |
| January | 43,456 | 43,391 | 43 | 24,674 | 47,253 | 559 | 64,21 |
| February | 39,652 | 38,966 | 40 | 22,028 | 41,958 | 570 | 60,63 |
| March | 43,734 | 43,037 | 43 | 23,829 | 45,291 | 598 | 59,38 |
| April | 42,727 | 39,714 | 42 | 22,819 | 45,021 | 578 | 59,55 |
| Mav | 44,169 | 39.308 | 44 | 23.055 | 45,187 | 604 | 61.63 |
| June | 42,737 | 35,781 | 40 | 22,145 | 42,589 | 535 | 58,68 |
| July | 45,521 | 36,246 | 50 | 22,545 | 43,042 | 537 | 59,83 |
| August | 45,244 | 35,724 | 58 | 22,584 | 43,105 | 502 | 58,45 |
| September | 37,523 | 36,488 | 53 | 22,276 | 41,295 | 508 | 53,75 |
| October | 45,123 | 39,695 | 52 | 24,100 | 45,563 | 475 | 58,74 |
| November | 44,954 | 39,324 | 48 | 24,188 | 45,440 | 497 | 60,69 |
| December | 44,820 | 41,874 | 44 | 25,312 | 37,338 | 502 | 65,85 |
| Total | 519,661 | 469,550 | 558 | 279,555 | 523,084 | 6,463 | 721,430 |
| 996 | | | | | | | |
| | 45.653 | 44.655 | 41 | 20.714 | 48.619 | 518 | 62.97 |
| January | -, | , | | - / | -, | | - ,- |
| February | 42,668 | 40,433 | 42 | 22,910 | 45,504 | 493 | 62,68 |
| March | 45,334 | 43,738 | 45 | 24,686 | 47,843 | 460 | 63,02 |
| April | 43,868 | 39,694 | 36 | 23,988 | 45,293 | 456 | 60,85 |
| May | 45,160 | 36,348 | 39 | 24,091 | 46,893 | 483 | 62,19 |
| June | 43,319 | 37,334 | 45 | 23,281 | 45,212 | 503 | 56,31 |
| July | 43,257 | 37,272 | 30 | 24,495 | 45,570 | 500 | 57,09 |
| August | 43,873 | 37,239 | 43 | 24,547 | 51,269 | 540 | 55,14 |
| September | 42,834 | 38,039 | 31 | 23,826 | 45,437 | 537 | 55,56 |
| October | 42,200 | 41,204 | 34 | 24,261 | 50,245 | 468 | 57,58 |
| November | 45,395 | 40,706 | 37 | 24,493 | 49,824 | 517 | 58,460 |
| December | 47,278 | 44,166 | 40 | 25,203 | 50,363 | 531 | 60,89 |
| Total | 530,841 | 480,828 | 463 | 286,494 | 572,071 | 6,006 | 712,79 |
| 997 | | | | | | | |
| January | 32,136 | 45,409 | 46 | 24,427 | 47,843 | 525 | 60,19 |
| February | 29,307 | 40,017 | 41 | 23,877 | 47,967 | 510 | 54,23 |
| March | 32,291 | 43,559 | 42 | 23,879 | 52,372 | 607 | 60,09 |
| April | 32,077 | E39,267 | 39 | 23,223 | 48,571 | 552 | 57,08 |
| May | 31,326 | 35,821 | 36 | 23,690 | 48,444 | 538 | 61,66 |
| June | 30,137 | 37,634 | 28 | 23,507 | 44,744 | 448 | 57,73 |
| July | 31,331 | 35,680 | 31 | 23,981 | 50,319 | 512 | 56,19 |
| August | 30,487 | 36,425 | 30 | 23,831 | 52,235 | 503 | E54,37 |
| 997 YTD | 249,092 | E313,811 | 293 | 190,415 | 392,496 | 4,195 | E461.57 |
| 996 YTD | , | , | | , | , | , | - ,- |
| | 353,134 | 316,713 | 321 | 188,712 | 376,203 | 3,952 | 480,29 |
| 995 YTD | 347,241 | 312,168 | 361 | 183,677 | 353,447 | 4,481 | 482,39 |

Table 7. Marketed Production of Natural Gas, by State, 1991-1997

| Year and Month | Louisianac | Michigan | Mississippi | Montana | New Mexico | North Dakota | Oklahoma |
|----------------|----------------------|------------------|----------------|---|---------------------|-----------------|------------|
| 1991 Total | 5,034,361 | 195,749 | 108,031 | 51,999 | 1,038,284 | 53,479 | 2,153,852 |
| 1992 Total | 4,914,300 | 194,815 | 91.697 | 53,867 | 1,268,863 | 54,883 | 2,133,632 |
| 993 Total | 4,991,138 | 204,635 | 80.695 | 54,528 | 1,409,429 | 59.851 | 2,049,942 |
| 994 Total | 5,169,705 | 222,657 | 63,448 | 50,416 | 1,557,689 | 57,805 | 1,934,864 |
| 995 | | | | | | | |
| January | 437.237 | 22.536 | 7.664 | 4.919 | 134.508 | 4.284 | 160.707 |
| February | 386,483 | 7,882 | 6.874 | 4,278 | 125,334 | 3,933 | 143,517 |
| March | 417,303 | 31,418 | 7,651 | 4,716 | 136,983 | 4,410 | 154,640 |
| April | 411,156 | 17,507 | 7,408 | 4,381 | 131,657 | 4,111 | 148,305 |
| May | 432,964 | 19,427 | 8,138 | 4.153 | 137,827 | 4,313 | 149,369 |
| June | 412,412 | 25,052 | 7,836 | 3,420 | 130,688 | 4,186 | 143,346 |
| July | 432,943 | 23,349 | 7,959 | 3,493 | 132,372 | 3,615 | 145,565 |
| , | | | | | , | , | , |
| August | 420,784 | 19,129 | 8,685 | 3,570 | 138,073 | 4,128 | 145,609 |
| September | 422,232 | 21,698 | 8,783 | 3,734 | 134,030 | 4,129 | 143,565 |
| October | 401,813 | 19,548 | 8,429 | 4,345 | 139,330 | 4,239 | 156,378 |
| November | 452,671 | 15,086 | 7,874 | 4,566 | 140,166 | 4,019 | 156,667 |
| December | 480,368 | 15,569 | 8,233 | 4,690 | 144,869 | 4,101 | 164,066 |
| Total | 5,108,366 | 238,203 | 95,533 | 50,264 | 1,625,837 | 49,468 | 1,811,734 |
| 996 | | | | | | | |
| January | 437,274 | 21,912 | 8,089 | 4,503 | 135,594 | 4,276 | 143,693 |
| February | 412,611 | 18,686 | 7,386 | 4,266 | 126,370 | 3,880 | 139,115 |
| March | 446,371 | 11,208 | 8,385 | 4,443 | 138,091 | 4,164 | 131,701 |
| April | 436,014 | 32,072 | 8,225 | 4,098 | 132,572 | 4,122 | 147,949 |
| May | 451,148 | 18,021 | 9,026 | 4,244 | 138,946 | 4,273 | 149,425 |
| June | 434,668 | 23,572 | 8,983 | 3,496 | 131,778 | 3,990 | 143,675 |
| July | 449,052 | 27,119 | 9,335 | 3,603 | 125,193 | 4,047 | 146,451 |
| August | 449,461 | 23,261 | 9.193 | 4.050 | 126,967 | 4.096 | 148,463 |
| September | 431,768 | 20,208 | 8,641 | 4,172 | 122,040 | 4,185 | 143,302 |
| October | 421,252 | 20,374 | 8,996 | 4,668 | 123,570 | 4,246 | 150,322 |
| November | 427,566 | 16,081 | 8,487 | 4,521 | 124,377 | 4,216 | 146,828 |
| December | 443,563 | 13,227 | 8,518 | 4,933 | 128,590 | 4,178 | 143,965 |
| Total | 5,240,747 | 245,740 | 103,263 | 50,996 | 1,554,087 | 49,674 | 1,734,887 |
| 1997 | | | | | | | |
| January | E448,338 | 35.849 | 8.089 | 4.638 | 125,382 | 4.035 | E150,892 |
| February | E415.971 | 17,314 | 7,807 | 4,380 | 125,362 | 3,921 | E139.315 |
| March | E457.604 | E25,435 | 8,470 | ^E 4,608 | 133,144 | 4,313 | E148.412 |
| April | ^E 450.146 | 25,435 13.281 | 8,470 8.120 | ⁴ ,606 ^E 4.320 | 132,748 | 4,313 4.176 | E134,900 |
| • | | -, - | -, - | , | - , - | , - | |
| May | E460,590 | 40,848 | 8,611 | 4,166 | 131,908 | 4,542 | E137,283 |
| June | E453,645 | 19,700 | 8,893 | 3,792 | 132,681 | 4,341 | E132,350 |
| July | E468,677 | R41,068 | 8,636 | E3,887 | 131,653 E436,447 | 4,420 | RE144,337 |
| August | [€] 469,613 | 19,081 | 9,626 | ^E 4,241 | E136,147 | 4,454 | E146,320 |
| 1997 YTD | E3,624,584 | E212,575 | 68,252 | E34,033 | E1,049,109 | 34,202 | E1,133,809 |
| 1996 YTD | 3,516,598 | 175,851 | 68,622 | 32,702 | 1,055,511 | 32,849 | E1,150,471 |
| 1995 YTD | 3,351,282 | 166,301 | 62,215 | 32,929 | 1,067,443 | 32,980 | 1,191,059 |

Table 7. Marketed Production of Natural Gas, by State, 1991-1997

| Year and Month | Oregon | Texas ^c | Utah | Wyoming | Other ^a States | U.S. Total |
|----------------|--------|--------------------|----------|---------------------|------------------------------|-------------------------|
| 1991 Total | 2,741 | 6,280,654 | 144.817 | 776,528 | 784,362 | 18,532,439 |
| 1992 Total | 2,580 | 6,145,862 | 171,293 | 842,576 | 800,913 | 18,711,808 |
| 1993 Total | 4.003 | 6,249,624 | 225,401 | 634,957 | 788,472 | 18,981,915 |
| 1994 Total | 3,221 | 6,353,844 | 270,858 | 696,018 | 774,724 | 19,709,525 |
| 1995 | | | | | | |
| January | 279 | 528,857 | 22,354 | 62,919 | 66,793 | 1,676,643 |
| February | 214 | 479,553 | 21,686 | 50,369 | 61,412 | 1,495,384 |
| March | 208 | 538,515 | 25,813 | 57,602 | 64,520 | 1,659,694 |
| April | 150 | 523,631 | 24,529 | 59,544 | 61,326 | 1,604,162 |
| May | 137 | 539,311 | 22,498 | 54,039 | 62,505 | 1,648,688 |
| June | 135 | 526,759 | 15,626 | 51,792 | 63,229 | 1,586,994 |
| July | 150 | 548,617 | 17,120 | 55,403 | 61,116 | 1,639,474 |
| August | 139 | 545,415 | 17,676 | 57,125 | 62,212 | 1,628,213 |
| September | 128 | 520,687 | 18,447 | 51,741 | 59,787 | 1,580,857 |
| October | 128 | 524,049 | 16,987 | 57,494 | 63,766 | 1,610,256 |
| November | 126 | 522,744 | 18,062 | 56,956 | 62,910 | 1,656,989 |
| December | 130 | 531,909 | 20,493 | 58,792 | 70,151 | 1,719,118 |
| Total | 1,923 | 6,330,048 | 241,290 | 673,775 | 759,728 | 19,506,474 |
| 1996 | | | | | | |
| January | 120 | 545,658 | 19,998 | 58,691 | 69,638 | 1,672,623 |
| February | 75 | 512,557 | 18,027 | 56,037 | 66,726 | 1,580,472 |
| March | 105 | 552,700 | 21,650 | 57,270 | 72,373 | 1,673,596 |
| April | 121 | 529,015 | 20,864 | 54,662 | 65,643 | 1,649,552 |
| May | 140 | 547,843 | 21,035 | 52,805 | 67,061 | 1,679,176 |
| June | 132 | 533,168 | 20,759 | 59,346 | 64,752 | 1,634,329 |
| July | 146 | 557,986 | 20,573 | 55,519 | 64,500 | 1,671,743 |
| August | 117 | 550,499 | 21,137 | 54,567 | 66,523 | 1,670,989 |
| September | 132 | 529,524 | 21,589 | 51,949 | 65,361 | 1,609,140 |
| October | 133 | 543,264 | 22,152 | 53,649 | 69,163 | 1,637,792 |
| November | 113 | 517,147 | 21,606 | 53,990 | 70,997 | 1,615,362 |
| December | 102 | 529,659 | 21,376 | 57,551 | 71,875 | 1,656,019 |
| Total | 1,439 | 6,449,022 | 250,767 | 666,036 | 814,612 | 19,750,793 |
| 1997 | | | | | | |
| January | 105 | 560,683 | 21,782 | 53,272 | [€] 69,157 | E1,692,806 |
| February | 98 | 509,089 | 19,115 | 45,143 | E64,219 | E1,547,768 |
| March | 101 | 560,042 | 21,912 | 62,872 | ^E 68,518 | E1,708,280 |
| April | 102 | 531,761 | 19,570 | 60,661 | E64,329 | E1,624,930 |
| May | 102 | 549,243 | 22,053 | 62,147 | E64,899 | E1,687,907 |
| June | 97 | 527,306 | 19,815 | 55,384 | E64,227 | E1,616,460 |
| July | 98 | 533,930 | R21,711 | 60,873 | E64,033 | ^{RE} 1,681,370 |
| August | 99 | 539,321 | E22,435 | ^E 62,134 | [€] 65,381 | E1,676,735 |
| 1997 YTD | 803 | 4,311,375 | E168,391 | €462,485 | E524,763 | E13,236,258 |
| 1996 YTD | 957 | E4,329,427 | 164,044 | 448,897 | 537,215 | 13,232,480 |
| 1995 YTD | 1,411 | 4,230,659 | 167,302 | 448,793 | 503,114 | 12,939,253 |
| | 1,711 | 7,200,000 | 107,302 | 770,733 | 303,114 | 12,000,200 |

a Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia and West Virginia. The 1997 monthly values for these States are estimated.

b The 1992, 1993, 1994, 1995, and 1996 monthly and annual values include Federal Offshore production.

c Monthly Federal offshore production volumes are included.

g = Revised Data.

g = Revised Data.

RE = Revised Estimated Data.

Notes: Data for 1991 through 1996 are final. All other data are preliminary unless otherwise indicated. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Sources: 1991-1996: Energy Information Administration (EIA), Natural Gas Annual 1996.1997 through current month: Form EIA-895, "Monthly Quantity of Natural Gas Report," Minerals Management Service reports, and EIA computations.

Table 8. Gross Withdrawals and Marketed Production of Natural Gas by State, August 1997

(Million Cubic Feet)

| | | Gross Withdraw | rals | | Nonhydro- | Vented | Manhatad | |
|--------------|-------------------|--------------------|------------|------------------|---|------------------|------------------------|--|
| State | From Gas Wells | From Oil Wells | Total | Repressuring | carbon Gases Removed ^a | and Flared | Marketed Production | |
| Alabama | 33.712 | 908 | 34.619 | 1.788 | 2.214 | 131 | 30.487 | |
| Alaska | 14.095 | 237,088 | 251,184 | 214.098 | 0 | 660 | 36,425 | |
| Arizona | 26 | 3 | 30 | 0 | Õ | 0 | 30 | |
| California | 6.206 | 27.894 | 34.101 | 10.132 | 93 | 45 | 23,831 | |
| Colorado | 45,600 | 7,406 | 53,006 | 623 | 0 | 147 | 52,235 | |
| Florida | 0 | 568 | 568 | 0 | 65 | 0 | 503 | |
| Kansas | E47,977 | E6,542 | E54,519 | E93 | 0 | 55 | E54,372 | |
| Louisiana | E413,256 | E62,124 | E475,381 | E3,728 | 0 | E2,039 | E469,613 | |
| Michigan | 15,642 | 3,911 | 19,553 | 195 | 0 | 277 | 19,081 | |
| Mississippi | 10,483 | 671 | 11,154 | 610 | 677 | 242 | 9,626 | |
| Montana | E3,766 | [€] 512 | E4,278 | E 5 | 0 | €32 | ^E 4,241 | |
| New Mexico | E120,000 | E20,886 | E140,886 | [€] 910 | E3,590 | E239 | E136,147 | |
| North Dakota | 1,418 | 3,407 | 4,825 | 0 | 24 | 347 | 4,454 | |
| Oklahoma | E123,028 | E23,292 | E146,320 | 0 | 0 | 0 | E146,320 | |
| Oregon | 118 | 0 | 118 | 5 | 14 | 0 | 99 | |
| Texas | 478,195 | 115,709 | 593,904 | 38,434 | 13,650 | 2,499 | 539,321 | |
| Utah | E19,977 | E3,667 | E23,644 | ^E 71 | 0 | E1,138 | E22,435 | |
| Wyoming | E90,893 | [€] 9,920 | E100,813 | E12,214 | E13,223 | E13,241 | [€] 62,134 | |
| Other States | E61,881 | €4,390 | E66,271 | ^E 184 | 0 | ^É 706 | E65,381 | |
| Total | E1,486,273 | E528,900 | E2,015,173 | E283,090 | E33,551 | E21,797 | E1,676,735 | |

a See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.
 E = Estimated Data.
 Notes: All monthly data are considered preliminary until publication of the *Natural Gas Annual* for that year. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.
 Source: Form EIA-895, "Monthly Quantity of Natural Gas Report."

Table 9. Underground Natural Gas Storage - All Operators, 1991-1997

(Volumes in Billion Cubic Feet)

| Year and | Un | Natural Gas in derground Stora at End of Period | | from San | Vorking Gas ne Period us Year | Storage Activity | | | |
|-----------------|--------------------|---|--------------------|------------------|-------------------------------------|------------------|-------------|--------------------|--|
| Month | Base Gas | Working Gas | Total ^b | Volume | Percent | Injections | Withdrawals | Net Withdrawals | |
| 1991 Totala | 3,954 | 2,824 | 6,778 | -244 | -8.0 | 2,608 | 2,689 | 80 | |
| 1992 Totala | 4,044 | 2,597 | 6,641 | -227 | -8.0 | 2,555 | 2,724 | 168 | |
| 1993 Totala | 4,327 | 2,322 | 6,649 | -275 | -10.6 | 2,760 | 2,717 | -43 | |
| 1994 Totala | 4,360 | 2,606 | 6,966 | 284 | 12.2 | 2,796 | 2,508 | -288 | |
| 1995 | | | | | | | | | |
| January | 4,365 | 2,045 | 6,410 | 466 | 29.5 | 45 | 644 | 599 | |
| February | 4,368 | 1,542 | 5,910 | 451 | 41.4 | 44 | 564 | 519 | |
| March | 4,362 | 1,332 | 5,694 | 374 | 39.0 | 104 | 327 | 223 | |
| April | 4,360 | 1,379 | 5,740 | 207 | 17.7 | 177 | 127 | -49 | |
| May | 4,393 | 1,668 | 6,061 | 114 | 7.3 | 369 | 34 | -335 | |
| | 4,393 4,406 | | | | 7.3 6.2 | 410 | 40 | -335 -371 | |
| June | | 2,014 | 6,420 | 118 | | | | | |
| July | 4,340 | 2,301 | 6,641 | 28 | 1.2 | 359 | 54 | -306 | |
| August | 4,339 | 2,495 | 6,834 | -112 | -4.3 | 293 | 86 | -207 | |
| September | 4,341 | 2,802 | 7,143 | -110 | -3.8 | 343 | 29 | -313 | |
| October | 4,338 | 2,996 | 7,334 | -79 | -2.6 | 274 | 68 | -205 | |
| November | 4,342 | 2,728 | 7,070 | -249 | -8.4 | 96 | 367 | 272 | |
| December | 4,349 | 2,153 | 6,503 | -453 | -17.4 | 53 | 635 | 582 | |
| Total | _ | _ | _ | _ | _ | 2,566 | 2,974 | 408 | |
| 996 | | | | | | | | | |
| January | 4,354 | 1,462 | 5,817 | -583 | -28.5 | 49 | 749 | 700 | |
| February | 4,349 | 1,021 | 5,369 | -521 | -33.8 | 97 | 544 | 447 | |
| March | 4,290 | 758 | 5,048 | -574 | -43.1 | 80 | 403 | 323 | |
| April | 4,312 | 854 | 5,166 | -525 | -38.1 | 227 | 112 | -115 | |
| May | 4,332 | 1,161 | 5,493 | -507 | -30.4 | 373 | 45 | -328 | |
| June | 4,341 | 1,529 | 5,870 | -485 | -24.1 | 410 | 35 | -375 | |
| July | 4,336 | 1,898 | 6,234 | -404 | -17.5 | 418 | 49 | -370 | |
| August | 4,332 | 2,245 | 6,577 | -250 | -10.0 | 400 | 54 | -346 | |
| September | 4,338 | 2,605 | 6,943 | -197 | -7.0 | 398 | 32 | -366 | |
| October | 4,335 | 2,810 | 7,145 | -186 | -6.2 | 276 | 73 | -203 | |
| November | 4,339 | 2,549 | 6,889 | -179 | -6.6 | 90 | 354 | 264 | |
| December | 4,339 | 2,173 | 6,513 | 19 | 0.9 | 86 | 461 | 374 | |
| Total | _ | _ | _ | _ | _ | 2,906 | 2,911 | 6 | |
| 1997 | | | | | | | | | |
| January | 4,347 | 1,496 | 5,843 | 34 | 2.3 | 66 | 749 | 683 | |
| February | 4,341 | 1,140 | 5,481 | 119 | 11.7 | 53 | 411 | 358 | |
| March | 4,341 | 990 | 5,334 | 232 | 30.6 | 126 | 281 | 156 | |
| April | 4,344 | 1,049 | 5,334 | 195 | 22.9 | 202 | 143 | -59 | |
| | 4,340 4,342 | | | 199 | 22.9 17.1 | 360 | 38 | -322 | |
| May | | 1,360 | 5,701 | | | | | | |
| June | 4,355 | 1,731 | 6,087 | 202 | 13.2 | 405 | 39 | -366 | |
| July | 4,354 | 2,018 | 6,372 | 120 | 6.3 | 355 | 81 | -274 | |
| August | 4,355 | 2,334 | 6,689 | 90 | 4.0 | 376 | 52 | -323 | |
| September | 4,357 | 2,667 | 7,024 | 62 | 2.4 | 373 | 43 | -330 | |
| October | R4,424 | R2,905 | R7,329 | R94 | R3.3 | 296 | 84 | R-212 | |
| November(STIFS) | RE4,424 | RE2,684 | RE7,108 | RE134 | RE 5.3 | NA NA | NA NA | RE221 | |
| December(STIFS) | ^E 4,424 | ^E 2,274 | [€] 6,698 | ^E 101 | ^E 4.7 | 110 | 110 | ^E 410 | |
| Total | | | | | | NA | NA | €-58 | |

NA = Not Available.

- = Not Applicable.

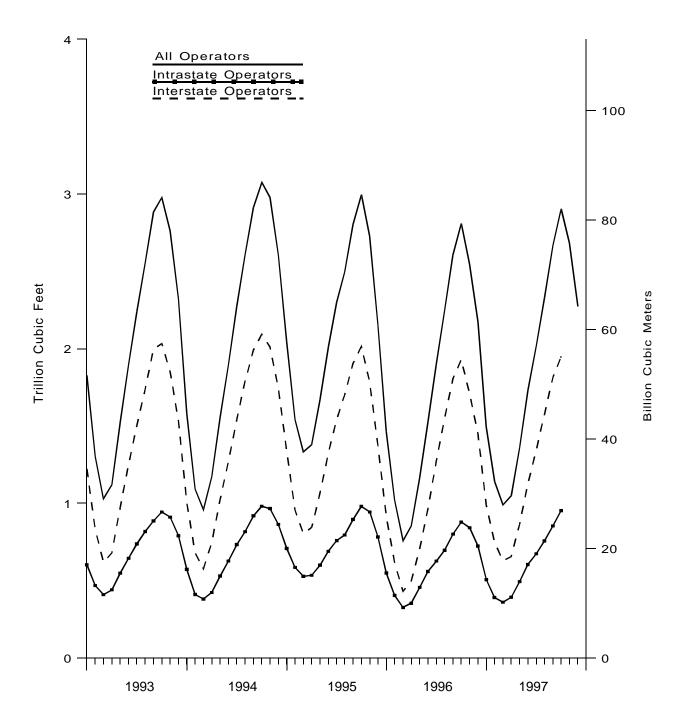
Notes: Data for 1991 through 1996 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 of the Natural Gas Monthly for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. In January 1995, 2 billion cubic feet was added to base gas for two new respondents. Positive net withdrawals indicate the volume of injections in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

a Total as of December 31.
b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1991 - 7,993; 1992 - 7,932; 1993 - 7,989; 1994 - 8,043; 1995 - 7,927; and 1996 - 8,159.
c Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

R = Revised Data.
E = Estimated Data.
RE = Revised Estimated Data.
NA = Not Available.

Figure 5. Underground Natural Gas Storage in the United States, 1993-1997



Sources: Energy Information Administration, Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 10. Underground Natural Gas Storage - Interstate Operators of Storage Fields, 1991-1997

(Volumes in Billion Cubic Feet)

| Year and | | Natural Gas in derground Stora at End of Period | | from Sar | Vorking Gas ne Period us Year | Storage Activity | | | |
|--|-------------|---|--------------------|-------------|-------------------------------------|------------------|-------------|-------------------|--|
| Month | Base Gas | Working Gas | Total ^b | Volume | Percent | Injections | Withdrawals | Net Withdrawal | |
| 1991 Total ^a | 2,571 | 1,985 | 4,556 | -218 | -9.9 | 1,904 | 2,015 | 111 | |
| 1992 Total ^a | 2.652 | 1,819 | 4.471 | -166 | -8.4 | 1,838 | 1.940 | 102 | |
| | 2,032 | 1,531 | 4,471 | -288 | -0.4 -15.8 | | 1,894 | -17 | |
| 1993 Total ^a 1994 Total ^a | 2,939 | 1,531 | 4,470 4.703 | -266 212 | -15.8 13.8 | 1,911 1,913 | 1,894 | -17 -213 | |
| 1934 Total | 2,300 | 1,743 | 4,703 | 212 | 13.0 | 1,910 | 1,701 | -213 | |
| 995 | | | | | | | | | |
| January | 2,957 | 1,336 | 4,293 | 330 | 32.8 | 27 | 449 | 422 | |
| February | 2,958 | 956 | 3,914 | 276 | 40.6 | 20 | 404 | 384 | |
| March | 2,955 | 804 | 3,759 | 228 | 39.6 | 66 | 225 | 159 | |
| April | 2,954 | 845 | 3,799 | 97 | 13.0 | 122 | 78 | -43 | |
| May | 2,956 | 1,067 | 4,024 | 43 | 4.2 | 250 | 17 | -233 | |
| June | 2,962 | 1,324 | 4,287 | 55 | 4.3 | 292 | 23 | -268 | |
| July | 2,896 | 1,543 | 4.438 | 3 | 0.2 | 257 | 28 | -229 | |
| | 2,893 | 1,700 | 4,593 | -90 | -5.0 | 208 | 45 | -163 | |
| August | , | , | , | -90 -86 | -5.0 -4.3 | 208 225 | 45 16 | -163 | |
| September | 2,894 | 1,906 | 4,800 | | | | | | |
| October | 2,891 | 2,016 | 4,907 | -78 | -3.7 | 162 | 48 | -114 | |
| November | 2,895 | 1,785 | 4,680 | -226 | -11.3 | 38 | 272 | 234 | |
| December | 2,899 | 1,372 | 4,271 | -371 | -21.3 | 25 | 442 | 417 | |
| Total | _ | _ | _ | _ | _ | 1,692 | 2,048 | 356 | |
| 996 | | | | | | | | | |
| January | 2,897 | 913 | 3,809 | -424 | -31.7 | 23 | 482 | 459 | |
| February | 2,894 | 616 | 3,510 | -340 | -35.6 | 60 | 359 | 298 | |
| March | 2.854 | 431 | 3,286 | -372 | -46.3 | 44 | 268 | 224 | |
| April | 2,868 | 499 | 3,367 | -346 | -40.9 | 152 | 73 | -80 | |
| | 2.884 | 704 | 3.589 | -363 | -34.0 | 250 | 27 | -224 | |
| May | , | | - , | | | | | | |
| June | 2,893 | 969 | 3,862 | -355 | -26.8 | 286 | 16 | -270 | |
| July | 2,891 | 1,271 | 4,162 | -272 | -17.6 | 313 | 17 | -296 | |
| August | 2,889 | 1,549 | 4,437 | -151 | -8.9 | 292 | 14 | -277 | |
| September | 2,893 | 1,804 | 4,697 | -102 | -5.4 | 273 | 13 | -260 | |
| October | 2,892 | 1,932 | 4,824 | -84 | -4.2 | 172 | 46 | -126 | |
| November | 2,893 | 1,707 | 4,600 | -78 | -4.4 | 40 | 263 | 224 | |
| December | 2,894 | 1,449 | 4,343 | 77 | 5.6 | 47 | 303 | 257 | |
| Total | _ | _ | _ | _ | -16.9 | 1,953 | 1,881 | -72 | |
| 997 | | | | | | | | | |
| January | 2.887 | 990 | 3,876 | 77 | 8.4 | 38 | 498 | 461 | |
| February | 2.887 | 749 | 3.636 | 133 | 21.6 | 32 | 276 | 244 | |
| | 2,885 | 629 | 3,514 | 197 | 45.7 | 32 72 | 195 | 123 | |
| March | | | | | | | | | |
| April | 2,883 | 656 | 3,538 | 157 | 31.4 | 114 | 88 | -26 | |
| May | 2,884 | 865 | 3,750 | 161 | 22.9 | 234 | 20 | -214 | |
| June | 2,894 | 1,126 | 4,021 | 157 | 16.3 | 278 | 16 | -262 | |
| July | 2,893 | 1,344 | 4,238 | 74 | 5.8 | 248 | 43 | -206 | |
| August | 2,893 | 1,577 | 4,470 | 29 | 1.8 | 257 | 20 | -237 | |
| September | 2,893 | 1,813 | 4,705 | 9 | 0.5 | 245 | 11 | -234 | |
| October | 2,960 | 1,952 | 4,912 | 20 | 1.0 | 168 | 56 | -112 | |

Disposition."

^a Total as of December 31. ^b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1991 - 5,512; 1992 - 5,524; 1993 - 5,367; 1994 - 5,351; 1995 - 5,314; and 1996 - 7,952.

^{- =} Not Applicable.

Notes: Data for 1991 through 1996 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 of the *Natural Gas Monthly* for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in Wildrawals duffig the period of the quality of gas in storage at the beginning of the period. This is due to charges in the qualities of harve gas included base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and

Table 11. Underground Natural Gas Storage - Intrastate Operators and Independent **Producers, 1991-1997**

(Volumes in Billion Cubic Feet)

| Year and | Un | Natural Gas in derground Stora at End of Period | | from Sar | Norking Gas ne Period us Year | Storage Activity | | | |
|-------------------------|-------------|---|--------------------|------------|-------------------------------------|------------------|-------------|--------------------|--|
| Month | Base Gas | Working Gas | Total ^b | Volume | Percent | Injections | Withdrawals | Net Withdrawals | |
| 1991 Total ^a | 1.383 | 839 | 2.221 | -25 | -2.9 | 705 | 674 | -31 | |
| 1992 Totala | 1,392 | 778 | 2,170 | -61 | -7.3 | 717 | 784 | 67 | |
| 1993 Total ^a | 1,388 | 770 791 | 2,179 | 13 | 1.7 | 826 | 802 | -24 | |
| 1994 Total ^a | 1,400 | 864 | 2,179 | 73 | 9.2 | 882 | 807 | -24 -75 | |
| 1004 10001 | 1,100 | 001 | 2,200 | 70 | 0.2 | 002 | 007 | 7.0 | |
| 1995 | | | | | | | | | |
| January | 1,409 | 709 | 2,118 | 136 | 23.7 | 17 | 195 | 177 | |
| February | 1,410 | 586 | 1,995 | 175 | 42.6 | 24 | 160 | 136 | |
| March | 1,407 | 528 | 1,935 | 146 | 38.2 | 38 | 102 | 64 | |
| April | 1,406 | 535 | 1,941 | 111 | 26.1 | 55 | 49 | -6 | |
| May | 1,437 | 601 | 2,037 | 70 | 13.3 | 120 | 17 | -103 | |
| June | 1,443 | 690 | 2,133 | 63 | 10.0 | 119 | 16 | -102 | |
| July | 1,444 | 759 | 2.203 | 25 | 3.4 | 102 | 25 | -77 | |
| August | 1,446 | 795 | 2,241 | -22 | -2.7 | 85 | 41 | -44 | |
| | 1,440 | 896 | 2,241 | -22 -24 | -2.7 -2.6 | 118 | 14 | -104 | |
| September | , | | , | | | | | | |
| October | 1,446 | 980 | 2,427 | -1 | -0.1 | 112 | 20 | -91 | |
| November | 1,447 | 944 | 2,390 | -23 | -2.4 | 57 | 95 | 38 | |
| December | 1,450 | 782 | 2,232 | -82 | -9.5 | 28 | 192 | 165 | |
| Total | _ | _ | _ | _ | _ | 874 | 926 | 52 | |
| 1996 | | | | | | | | | |
| January | 1,457 | 550 | 2,007 | -159 | -22.4 | 26 | 267 | 241 | |
| February | 1,455 | 405 | 1,859 | -181 | -30.9 | 36 | 185 | 148 | |
| March | 1,436 | 327 | 1,763 | -202 | -38.2 | 36 | 135 | 98 | |
| | , | 355 | , | | -33.6 | 75 | 40 | -35 | |
| April | 1,445 | | 1,800 | -179 | | | | | |
| May | 1,447 | 457 | 1,904 | -144 | -23.9 | 123 | 19 | -104 | |
| June | 1,448 | 560 | 2,008 | -129 | -18.8 | 124 | 19 | -105 | |
| July | 1,445 | 627 | 2,072 | -132 | -17.4 | 105 | 32 | -73 | |
| August | 1,443 | 696 | 2,139 | -99 | -12.4 | 109 | 40 | -69 | |
| September | 1,445 | 801 | 2,246 | -95 | -10.6 | 125 | 19 | -106 | |
| October | 1,443 | 879 | 2,322 | -102 | -10.4 | 104 | 27 | -76 | |
| November | 1,447 | 842 | 2,289 | -102 | -10.8 | 51 | 91 | 40 | |
| December | 1,447 | 724 | 2,170 | -58 | -7.4 | 40 | 158 | 118 | |
| Total | _ | _ | _ | _ | -18.0 | 953 | 1,030 | 77 | |
| 1997 | | | | | | | | | |
| January | 1.460 | 507 | 1.966 | -43 | -7.9 | 29 | 251 | 222 | |
| February | 1,454 | 391 | 1,845 | -14 | -3.4 | 21 | 135 | 114 | |
| March | 1,459 | 361 | 1,820 | 35 | 10.6 | 54 | 86 | 32 | |
| April | 1,458 | 394 | 1,851 | 39 | 10.0 | 88 | 55 | -33 | |
| | | | | | | | | | |
| May | 1,458 | 494 | 1,952 | 37 | 8.2 | 126 | 18 | -107 | |
| June | 1,461 | 605 | 2,066 | 45 | 8.0 | 127 | 24 | -104 | |
| July | 1,461 | 674 | 2,135 | 47 | 7.5 | 107 | 39 | -68 | |
| August | 1,462 | 757 | 2,219 | 61 | 8.8 | 118 | 32 | -86 | |
| September | 1,464 | 854 | 2,318 | 53 | 6.7 | 128 | 32 | -96 | |
| October | 1.465 | 953 | 2,417 | 74 | 8.4 | 128 | 28 | -100 | |

 — = Not Applicable.
 Notes: Data for 1991 through 1996 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 of the Natural Gas Monthly for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

^a Total as of December 31. ^b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1991 - 2,481; 1992 - 2,407; 1993 - 2,621; 1994 - 2,692.; 1995 - 2,613; and 1996 - 7,952.

Table 12. Net Withdrawals from Underground Storage, by State, 1995-1997 (Volumes in Million Cubic Feet)

-2,766

-130

-240

-5,274

-1,490

-1,091

-6,626

-23,528

-14,433

-47.372

-24,920

-3,235

-2,267

-19,007

-2,424

-329,677

-391

-853

-64,521

1997 State October September August July June May April -251 -262 -286 -43 -93 -271 -130 Alabama -1,048 -1,234 -1,472 -1,340 -608 Arkansas 271 178 California -11,834 -6,814 -8,430 -11,406 -23,191 -24,048 -19,220 Colorado 458 -5,141 -4,488 -5,540 -5,257 -5,328 5,569 -30,203 -34,708 -36,934 -24,289 -29,099 -24,940 -546 -4.603 -3.749 -3,317 -1.914 -110 1.444 -3,135 Indiana -3,722 -3,703 -10,938 -8.358 -12.762 -3.473 lowa -8,361 1.627 -12,195 -7.912 -13,678 -11,439 -9,699 -1,605 Kansas Kentucky -2,925 -7,983 -6,520 -7,391 -8,991 -7,821 -343 -24,016 -22,111 -15,080 -13,862 -20,312 -19,293 -4,278 Louisiana

-2,292

-137

-3,115

-2,339

-964

-328

-11,609

-32,054

-8,317

-1.123

-44.991

-13,272

-5,284

-24,039

-2,712

-323,371

990

-379

-72,305

-1,497

-75,302

-321

1,249

-433

-2,710

-75

587

-11,628

-34,093

-1,448

-1,240 -41,099

6,604

-8,117

-26,065

-3,393

-274,218

-490

-1,657

-312

-112

-3,812

-1,633

-797

-534

-10,571

-37,335

-8,028

-1,602

-49.619

-20,500

-7,950

-3,766

-2,290

-31,691

-365.566

-72,604

-1,590

-273

-5,552

-1,200

-846

-708

-1,228

-7,770

-34,081

-18.258

-1,239

-44.272

-27,751

-4,255

-5,880

-23,964

-1,119

-321,702

-46,126

133

56

-43

583

-1,700

-1,385

-7,130

-17,395

-2,150

-66

1,715

-58,853

127

543 -3,306

1,810

-13,752 -31 442

See footnotes at end of table.

Maryland

Michigan

Minnesota

Mississippi

Missouri

Montana

New Mexico

New York

Ohio

Oklahoma

Oregon

Pennsylvania

Texas

Utah

Washington

West Virginia

Wyoming

Total

Nebraska ...

-2,283

-2,145

-215

1,015

-1,305

-2,390

-19,571

-16,030

-30,743

-1,301

-8,103

-212.189

707

-93

-66

-32,384

Table 12. Net Withdrawals from Underground Storage, by State, 1995-1997

(Volumes in Million Cubic Feet) — Continued

| | | 1997 | | | 19 | 96 | |
|---------------|---------|----------|---------|---------|----------|----------|----------|
| State | March | February | January | Total | December | November | October |
| | | | | | | | |
| Alabama | -25 | 184 | 531 | -1,224 | 761 | 129 | -117 |
| Arkansas | 342 | 1,006 | 1,978 | 64 | 644 | 562 | -603 |
| California | -441 | 19,742 | 38,477 | 51,292 | 14,985 | -2,885 | -6,393 |
| Colorado | 2,069 | 4,862 | 5,523 | -1,004 | 2,923 | 92 | -87 |
| linois | 23,189 | 39,774 | 63,858 | -15,108 | 35,109 | 15,523 | -28,103 |
| ndiana | 2,498 | 2,866 | 7,272 | -1,801 | 3,290 | -853 | -2,715 |
| owa | 2,953 | 8,469 | 15,926 | -1,229 | 18,020 | 5,502 | -10,555 |
| Kansas | 4,096 | 9,102 | 13,633 | 12,118 | 12,290 | 12,828 | -6,005 |
| Centucky | 4,166 | 8,068 | 18,108 | -7,530 | 8,039 | 4,853 | -2,826 |
| Louisiana | -17,950 | 21,117 | 47,088 | 10,964 | 32,273 | 29,327 | -15,704 |
| Maryland | 1,903 | 2,662 | 5,873 | 24 | 958 | 1,424 | -1,553 |
| Michigan | 53,314 | 71,108 | 120,403 | -31,671 | 83,640 | 61,160 | -49,100 |
| /linnesota | 188 | 117 | 588 | -30 | 218 | 30 | -35 |
| Mississippi | -2,306 | 2,924 | 12,169 | -12,758 | 4,658 | 5,707 | -3,369 |
| lissouri | 1,174 | -252 | 1,126 | -48 | 76 | 306 | -210 |
| Montana | 2,591 | 3,983 | 5,651 | 11,725 | 5,512 | 4,760 | 336 |
| lebraska | -241 | 504 | 867 | -1,489 | 1,108 | 479 | 600 |
| lew Mexico | 501 | 1,527 | 591 | 5,338 | -823 | 607 | 482 |
| lew York | 9,210 | 10,116 | 17,636 | -13,367 | 8,151 | 6,347 | -2,750 |
| Dhio | 21,557 | 28,120 | 58,636 | -10,844 | 35,138 | 25,728 | -13,648 |
| Oklahoma | -8,092 | 7,912 | 27,616 | 22,961 | 20,970 | 17,468 | -10,345 |
| Oregon | 920 | 1,078 | 1,341 | 783 | 1,240 | 552 | 170 |
| Pennsylvania | 50,263 | 52,298 | 94,228 | -59,533 | 25,003 | 33,464 | -15,621 |
| exas | -21,183 | 24,869 | 55,056 | 63,869 | 24,153 | 12,557 | -22,072 |
| Jtah | -2,620 | 2,520 | 8,931 | 12,955 | 9,164 | 4,651 | 1,416 |
| Vashington | 3,217 | 1,798 | 1,587 | 2,067 | 1,746 | 462 | 1,648 |
| Vest Virginia | 23,312 | 28,900 | 53,643 | -35,844 | 21,644 | 19,884 | -15,242 |
| Vyoming | 1,082 | 2,976 | 4,361 | 5,056 | 3,529 | 2,903 | -272 |
| Total | 155.688 | 358.350 | 682.696 | 5.735 | 374,417 | 263.567 | -202.675 |

Table 12. Net Withdrawals from Underground Storage, by State, 1995-1997

(Volumes in Million Cubic Feet) — Continued

| | | | | 1996 | | | | | | | | | | |
|---------------|-----------|----------|----------|----------|----------|----------|---------|--|--|--|--|--|--|--|
| State | September | August | July | June | May | April | March | | | | | | | |
| | | | | | | | | | | | | | | |
| Nabama | -440 | -395 | -205 | -670 | -367 | -153 | 162 | | | | | | | |
| ırkansas | -1,153 | -615 | -744 | -1,166 | -1,302 | -44 | 1,259 | | | | | | | |
| California | -6.822 | 15,439 | 7,028 | -9,697 | -23,523 | -11,917 | 1,459 | | | | | | | |
| Colorado | -3,828 | -3,722 | -5,347 | -5,035 | -2,271 | 1,268 | 5,022 | | | | | | | |
| linois | -36,529 | -35,172 | -35,480 | -32,122 | -26,711 | -3,200 | 22,829 | | | | | | | |
| idiana | -3,911 | -6,115 | -4,278 | -2,398 | -178 | 948 | 3,532 | | | | | | | |
| owa | -12,536 | -13,166 | -12,393 | -7,677 | -1,640 | 1,980 | 6,303 | | | | | | | |
| (ansas | -8,532 | -8,265 | -7,537 | -12,192 | -7,892 | -5,779 | 9,984 | | | | | | | |
| Centucky | -8,590 | -10,071 | -13,358 | -14,231 | -6,224 | 380 | 7,911 | | | | | | | |
| ouisiana | -33,463 | -32,218 | -29,380 | -16,986 | -11,703 | -2,727 | 25,245 | | | | | | | |
| laryland | -1,677 | -1,845 | -1,887 | -2,621 | -2,154 | 212 | 1,827 | | | | | | | |
| /lichigan | -81,220 | -82,649 | -80,355 | -78,794 | -58,040 | -14,063 | 51,828 | | | | | | | |
| Innesota | -202 | -213 | -287 | -294 | -366 | -90 | 213 | | | | | | | |
| Mississippi | -7,330 | -7,868 | -8,061 | -6,662 | -2,502 | -4,083 | 6,016 | | | | | | | |
| lissouri | -204 | -206 | -240 | -261 | -1,319 | 296 | 384 | | | | | | | |
| Iontana | -3,519 | -3,501 | -3,261 | -3,577 | 782 | 647 | 3,884 | | | | | | | |
| lebraska | -785 | -1,346 | -1,193 | -1,924 | -1,617 | -303 | 802 | | | | | | | |
| lew Mexico | -1,873 | 363 | 811 | 48 | 21 | 519 | 2,200 | | | | | | | |
| lew York | -7,327 | -12,585 | -12,964 | -12,079 | -13,349 | -2,711 | 8,971 | | | | | | | |
| Dhio | -23,807 | -29,581 | -36,092 | -37,165 | -30,055 | -8,729 | 29,225 | | | | | | | |
| Oklahoma | -18,814 | -14,973 | -8,211 | -10,949 | -19,131 | -4,435 | 14,679 | | | | | | | |
| Oregon | -121 | -509 | -1,318 | -1,365 | -841 | 132 | 651 | | | | | | | |
| Pennsylvania | -37,711 | -52,038 | -69,480 | -62,061 | -46,338 | -22,497 | 43,459 | | | | | | | |
| exas | -34,225 | -18,108 | -2,670 | -13,902 | -28,071 | -22,764 | 43,870 | | | | | | | |
| Itah | -2,204 | -3,884 | -6,821 | -6,742 | -5,533 | -188 | 2,388 | | | | | | | |
| Vashington | -597 | -1,965 | -935 | -3,317 | -1,973 | -356 | 540 | | | | | | | |
| Vest Virginia | -28,009 | -19,913 | -32,686 | -29,535 | -32,767 | -16,242 | 26,887 | | | | | | | |
| /yoming | -613 | -771 | -2,160 | -1,760 | -2,704 | -644 | 1,095 | | | | | | | |
| Total | -366,042 | -345,894 | -369,504 | -375,133 | -327,768 | -114,544 | 322,623 | | | | | | | |

Table 12. Net Withdrawals from Underground Storage, by State, 1995-1997

(Volumes in Million Cubic Feet) — Continued

| a | 19 | 996 | | 19 | 95 | |
|---------------|----------|---------|---------|----------|----------|----------|
| State | February | January | Total | December | November | October |
| | | | | | | |
| Alabama | 17 | 54 | 73 | 400 | 189 | 73 |
| Arkansas | 1,115 | 2,112 | 709 | 2,149 | 618 | 80 |
| California | 25,693 | 47,924 | -27,358 | 25,933 | -1,980 | -18,197 |
| Colorado | 1,417 | 8,564 | -3,152 | 5,194 | -1,616 | -1,296 |
| llinois | 40,993 | 67,753 | 22,981 | 51,971 | 18,278 | -38,814 |
| ndiana | 3,804 | 7,073 | 711 | 4,401 | -844 | -4,448 |
| owa | 8,653 | 16,282 | 6,443 | 17,220 | 12,827 | -7,844 |
| Cansas | 6.590 | 26.627 | 4.875 | 16.419 | 7.352 | -10.864 |
| Centucky | 12,179 | 14,407 | 7,178 | 11,394 | 9,279 | -2,526 |
| Louisiana | 23,235 | 43,064 | 52,753 | 46,245 | 24,216 | -14,079 |
| Maryland | 3.086 | 4.254 | 4.049 | 3.350 | 689 | -1.123 |
| vichigan | 83.725 | 132,197 | 117,409 | 115,938 | 66.298 | -32,377 |
| Minnesota | 250 | 748 | 104 | 245 | 2 | -6 |
| Mississippi | 3,023 | 7,713 | 7,783 | 6,445 | 9,486 | -2,596 |
| Missouri | -97 | 1,428 | -197 | 330 | -165 | -124 |
| Montana | 3,443 | 6,220 | 3,599 | 5,251 | 3,048 | 554 |
| Nebraska | 754 | 1,937 | 5,844 | 1,597 | 1,602 | 745 |
| New Mexico | 1.614 | 1,370 | 2,273 | 1,527 | 1,120 | -20 |
| New York | 12.756 | 14,174 | 14.746 | 17,605 | 9.671 | -1,689 |
| Dhio | 33,937 | 44,205 | 38,862 | 43,090 | 24,176 | -8,835 |
| Oklahoma | 23.470 | 33.230 | 19,264 | 24.431 | 8.327 | -13.868 |
| Oregon | 940 | 1,252 | -880 | 822 | 58 | 0 |
| Pennsylvania | 64.167 | 80,122 | 63,786 | 78,025 | 45,269 | -22,123 |
| Texas | 49.673 | 75.427 | 26.165 | 49.476 | 11.542 | -9,871 |
| Jtah | 8,372 | 12,335 | -118 | 9,829 | -1,367 | -528 |
| Vashington | 769 | 6.047 | -2.363 | 1.015 | -67 | 100 |
| Vest Virginia | 30,318 | 39,816 | 41,129 | 39,382 | 23,047 | -14,545 |
| Vyoming | 3,044 | 3,410 | 1,552 | 2,100 | 768 | -1,125 |
| Total | 446.941 | 699,748 | 408,220 | 581,782 | 271,826 | -205,344 |

Notes: This table contains total net withdrawals for each State with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. Data through 1996 are final.All other data are preliminary at this time and are not considered final until publication of the *Natural Gas Annual* for that year. Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 13. Activities of Underground Natural Gas Storage Operators, by State, October 1997

(Volumes in Million Cubic Feet)

| State | Total Storage | U | Natural Gas in nderground Sto at End of Perio | rage | from Sar | Vorking Gas ne Period us Year | Storage Activity | | |
|---------------|------------------|-------------|---|-----------|--------------|-------------------------------------|------------------|-------------|--|
| | Capacity | Base Gas | Working Gas | Total | Volume | Percent | Injections | Withdrawals | |
| Alabassa | 0.000 | 4.400 | 4 700 | 0.050 | 0.40 | 40.4 | 054 | 0 | |
| Alabama | 3,280 | 1,190 | 1,766 | 2,956 | -242 | -12.1 | 251 | 0 | |
| Arkansas | 31,871 | 11,245 | 7,647 | 18,891 | 1,963 | 34.5 | 93 | 364 | |
| California | 469,696 | 247,419 | 187,001 | 434,419 | 34,685 | 22.8 | 15,288 | 3,454 | |
| Colorado | 99,600 | 47,902 | 37,519 | 85,421 | 4,144 | 12.4 | 3,197 | 3,655 | |
| Illinois | 898,239 | 717,368 | 280,321 | 997,688 | 24,638 | 9.6 | 32,225 | 2,022 | |
| Indiana | 113,210 | 73.777 | 33.629 | 107,407 | -2.544 | -7.0 | 3.570 | 435 | |
| lowa | 270,200 | 200,700 | 60.701 | 261,401 | -654 | -1.1 | 9.270 | 913 | |
| Kansas | 298,666 | 191,084 | 94,258 | 285,341 | 10.419 | 12.4 | 12.486 | 4,574 | |
| Kentucky | 219.908 | 109.093 | 96,130 | 205,223 | -745 | -0.8 | 5,231 | 2.306 | |
| Louisiana | 559,473 | 270,511 | 208,284 | 478,795 | 14,327 | 7.4 | 34,427 | 10,411 | |
| Maryland | 62.000 | 46.677 | 14.442 | 61.119 | -548 | -3.7 | 2,371 | 87 | |
| Michigan | 1,052,236 | 429,034 | 572,322 | 1,001,356 | 1,023 | 0.2 | 38,736 | 6,352 | |
| Minnesota | 7.000 | 4,623 | 2,381 | 7,004 | 53 | 2.3 | 0,750 | 0,552 | |
| Mississippi | 134,012 | 77,263 | 51,339 | 128,602 | -3,536 | -6.4 | 6,235 | 4,090 | |
| Missouri | 31,126 | 21.600 | 9,466 | 31,066 | -5,550 95 | 1.0 | 223 | 4,090 | |
| iviissouri | 31,120 | 21,000 | 3,400 | 31,000 | 93 | 1.0 | 223 | 9 | |
| Montana | 375,010 | 167,380 | 51,991 | 219,372 | -16,274 | -23.8 | 1,389 | 2,403 | |
| Nebraska | 39,469 | 31,507 | 4,564 | 36,071 | 1,176 | 34.7 | 365 | 299 | |
| New Mexico | 96,600 | 25,766 | 6.720 | 32,485 | 853 | 14.5 | 2.073 | 768 | |
| New York | 173,979 | 103,540 | 68,612 | 172,151 | -3.789 | -5.2 | 4,998 | 2.607 | |
| Ohio | 557,452 | 352,910 | 183,368 | 536,278 | -363 | -0.2 | 15,138 | 6,339 | |
| Oklahoma | 395.087 | 233.763 | 117,116 | 350.879 | 7,257 | 6.6 | 22,301 | 2.729 | |
| Oregon | 11,623 | 4,896 | 6.773 | 11,669 | 14 | 0.2 | 93 | 0 | |
| Pennsylvania | 680,006 | 357,028 | 348.766 | 705,795 | -8,535 | -2.4 | 27,438 | 11,407 | |
| Texas | 678,534 | 254.491 | 220.752 | 475.244 | 36,332 | 19.7 | 39.877 | 9,134 | |
| Utah | 121,980 | 62,100 | 40,231 | 102,331 | 8,139 | 25.4 | 2,823 | 1,522 | |
| Washington | 37.300 | 22,096 | 14,098 | 36,194 | 1.707 | 13.8 | 257 | 964 | |
| West Virginia | 484.597 | 298.632 | 161,216 | 459.848 | -13.049 | -7.5 | 14.817 | 6.714 | |
| Wyoming | 105,869 | 60,782 | 23,138 | 83,920 | -2,470 | -9.6 | 965 | 387 | |
| Total | 8,008,021 | 4,424,379 | 2,904,549 | 7,328,928 | 94,074 | 3.3 | 296,136 | 83,946 | |

Notes: Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 14. Natural Gas Deliveries to Residential Consumers, by State, 1995-1997 (Million Cubic Feet)

| 24.4 | YTD YTD | YTD | 1997 | | | |
|--------------------|------------------|-------------------|---------|-----------|----------|--------|
| State | 1997 | 1996 | 1995 | September | August | July |
| | | | | | | |
| labama | 35,016 | 44,750 | 36,563 | 1,250 | 1,238 | 1,392 |
| laska | 9,716 | 11,052 | 10,660 | 743 | 402 | 463 |
| rizona | 23,345 | 20,254 | 21,159 | 1,127 | 910 | 1,019 |
| rkansas | 30,733 | 34,811 | 29,255 | 949 | 918 | 1,028 |
| alifornia | 351,281 | 336,241 | 362,376 | 21,772 | 20,951 | 26,840 |
| olorado | 79.709 | 80,652 | 77,737 | NA | NA | NA |
| onnecticut | 28,911 | 32,560 | 29,507 | 1,001 | 903 | 949 |
| elaware | 6,796 | 7,617 | 6,442 | 183 | 178 | 194 |
| strict of Columbia | , | , | 11,412 | 393 | 372 | 419 |
| orida | 11,419 10,553 | 13,055 12,986 | 11,412 | 699 | 742 | 785 |
| orida | 10,333 | 12,900 | 11,003 | 099 | 742 | 700 |
| eorgia | 71,317 | 88,066 | 72,286 | 3,190 | 2,944 | 3,195 |
| awaii | 393 | 416 | 442 | , 40 | 41 | 43 |
| aho | 10,806 | 10,501 | 9,263 | NA | 294 | 346 |
| nois | 341,883 | 366,031 | 328,282 | 11,697 | 10,111 | 10,378 |
| diana | 118,747 | ŃA | 108,996 | 3,491 | 2,989 | 2,852 |
| wa | 56,698 | 60.538 | 52,965 | 1,645 | 1,472 | 1,593 |
| | | , | | , | , | |
| ansas | 53,417 | 58,377 | 52,041 | 1,629 | 1,616 | 1,862 |
| entucky | 43,552 | 48,015 | 41,470 | 1,448 | 1,077 | 1,419 |
| ouisiana | 37,952 | 44,841 | 38,739 | 1,697 | 1,671 | 1,685 |
| aine | 694 | 674 | 617 | 30 | 26 | 21 |
| aryland | 54,344 | NA | 53,039 | 2,067 | R1,800 | R1,906 |
| assachusetts | 80,775 | 85,463 | 76,814 | 2,555 | 2,437 | 2,831 |
| ichigan | 273,718 | 289,408 | 261,392 | 8,767 | 7,264 | 4,748 |
| innesota | 92.499 | 98,502 | 85,734 | 2,864 | 2,556 | 2,706 |
| ississippi | 19,631 | NA | 19,792 | NA NA | NA NA | NA NA |
| innai | 02.264 | 400.677 | 00.020 | 2.625 | 2.402 | 0.74 |
| issouri | 93,261 | 100,677 | 89,830 | 2,625 | 2,403 | 2,717 |
| ontana | 14,539 | 15,164 | 13,320 | 508 | 447 | 411 |
| ebraska | 35,659 | 35,489 | 33,158 | 936 | R937 | R1,015 |
| evada | 18,352 | 16,258 | 16,163 | 802 NA | 777 | 887 |
| ew Hampshire | 5,073 | 5,178 | 4,713 | NA | 155 | 160 |
| ew Jersey | 153,367 | 163,787 | 135,620 | 5,309 | 4,680 | 5,102 |
| ew Mexico | 22,941 | 23,008 | 19,775 | 830 | 843 | 815 |
| ew York | 293,689 | ŇA | 272,350 | NA | NA | NA |
| orth Carolina | 37,449 | 44,042 | 34,951 | 935 | 900 | 1,074 |
| orth Dakota | 8,777 | 8,887 | 7,996 | 229 | 206 | 228 |
| | | , | | | | |
| nio | 247,221 | 265,128 | 239,631 | 7,228 | 6,202 | 7,533 |
| klahoma | 52,545 | 57,342 | 51,378 | 1,548 | 1,519 | 1,679 |
| regon | 23,914 | 23,515 | 20,369 | 737 | 670 | 836 |
| ennsylvania | 185,159 | 201,680 | 179,230 | 6,315 | 4,714 | 5,153 |
| node Island | 13,530 | ŃA | 12,701 | 473 | 443 | 480 |
| outh Carolina | 17,811 | 22,103 | 17,834 | 466 | 444 | 512 |
| outh Dakota | 9,592 | NA | 8,745 | 261 | 233 | 248 |
| ennessee | 45,671 | 52,310 | 41,397 | 1,187 | 1,080 | 1,119 |
| | | , | | | | |
| xasah | 149,931 | 168,094 36,177 | 148,897 | 6,416 | 6,101 | 6,829 |
| all | 37,409 | 36,177 | 33,219 | 1,957 | 1,466 | 1,501 |
| ermont | 1,954 | 1,913 | 1,683 | 59 | 52 | 57 |
| rginia | 51,621 | 55,001 | 46,656 | 1,640 | 1,473 | 1,576 |
| ashington | 48,763 | 43,747 | 37,025 | NA | ŇA | NA |
| est Virginia | 24,412 | 27,224 | 24,446 | 784 | 594 | 488 |
| isconsin | 94,423 | 102,101 | 89,248 | 2,925 | NA | 2,751 |
| yoming | 8,853 | NA NA | NA | 330 | R252 | R294 |
| | | | | | | |

Table 14. Natural Gas Deliveries to Residential Consumers, by State, 1995-1997 (Million Cubic Feet) — Continued

| State | 1997 | | | | | | | | |
|------------------------|---------------------|--------------------|--------------------|--------------------|--------------------|------------------|--|--|--|
| State | June | Мау | April | March | February | January | | | |
| | 4.004 | 0.000 | 0.400 | 5.000 | 0.000 | 0.000 | | | |
| labama | 1,604 | 2,638 | 3,180 | 5,326 | 9,098 | 9,290 | | | |
| laska | 508 | 789 | 1,177 | 1,207 | 2,025 | 2,402 | | | |
| rizona | 1,154 | 1,571 | 2,259 | 4,235 | 5,092 | 5,978 | | | |
| rkansas | 1,240 | 2,324 | 3,293 | 4,942 | 7,754 | 8,285 | | | |
| alifornia | 23,572 | 28,707 | 39,271 | 48,377 | 66,688 | 75,103 | | | |
| olorado | NA | NA | 8,929 | NA | NA | NA | | | |
| onnecticut | 1,380 | 2,332 | 4,378 | 5,176 | 6,538 | 6,255 | | | |
| elaware | 318 | 557 | 942 | 1,265 | 1,612 | 1,549 | | | |
| strict of Columbia | 562 | 944 | 1,316 | 2,049 | 2,655 | 2,708 | | | |
| orida | 856 | 944 | 1,013 | 1,279 | 2,068 | 2,167 | | | |
| eorgia | 3,357 | 3,834 | 8 221 | 9,001 | 16,024 | 21 550 | | | |
| eorgiaawaii | 3,35 <i>1</i> 41 | 3,834 42 | 8,221 41 | 9,001 | 49 | 21,550 51 | | | |
| aho | 433 | 939 | 1,464 | 1,909 | 2,542 | 2,564 | | | |
| nois | 11,617 | 26,081 | 41,192 | 61,416 | 69,338 | 100,053 | | | |
| diana | 4,958 | 9,482 | 15,219 | 20,684 | 26,294 | 32,779 | | | |
| | , | , | | , | , | , | | | |
| wa | 2,102 | 3,938 | 6,971 | 9,528 | 11,881 | 17,568 | | | |
| ansas | ^R 1,652 | 3,581 | 6,402 | 8,769 | 12,105 | 15,803 | | | |
| entucky | 1,572 | 2,954 | 4,883 | 7,293 | 8,964 | 13,942 | | | |
| ouisiana | 2,050 | 2,824 | 3,680 | 5,619 | 8,991 | 9,736 | | | |
| aine | 34 | 56 | 85 | 142 | 133 | 166 | | | |
| aryland | R2.677 | ^R 4.215 | ^R 6.913 | ^R 8.998 | R12.080 | R13,687 | | | |
| assachusetts | 4,370 | 6,917 | 12,122 | 15,127 | 17,654 | NA NA | | | |
| ichigan | 12,010 | 26,958 | 38,256 | 51,299 | 57,545 | 66,871 | | | |
| innesota | 3,499 | 6,775 | 11,435 | 16,959 | 19,966 | 25,740 | | | |
| ississippi | 920 | 1,463 | 1,904 | 3,038 | 4,968 | 5,050 | | | |
| | | | | | | | | | |
| lissouri | 3,665 | 6,474 | 11,030 | 15,422 | 23,426 | 25,499 | | | |
| ontana | 631 | 1,143 | 1,996 | 2,468 | 3,038 | 3,897 | | | |
| ebraska | 1,485 | 3,177 | 4,355 | 6,232 | 7,829 | 9,692 | | | |
| evada | 981 | 1,419 | 2,018 | 3,172 | 3,825 | 4,470 | | | |
| ew Hampshire | 263 | 465 | 744 | 913 | 1,136 | 1,061 | | | |
| ew Jersey | 6,457 | 11,258 | 18,139 | 31,984 | 34,709 | 35,729 | | | |
| ew Mexico | 238 | 1,952 | 1,503 | 3,810 | 5,630 | 7,320 | | | |
| ew York | NA | ŃA | ŃA | ŇA | ŃA | ŃA | | | |
| orth Carolina | 1,599 | 2,991 | 4,087 | 5,811 | 10,002 | 10,050 | | | |
| orth Dakota | 333 | 730 | 1,178 | 1,576 | 1,984 | 2,313 | | | |
| nio | 9,785 | 21,575 | 33,023 | 44,153 | 52.497 | 65,225 | | | |
| | 2,105 | , | 6,160 | 9,070 | 12,687 | , | | | |
| klahoma | , | 3,857 | , | , | , | 13,920 | | | |
| regon | 1,029 | 1,920 | 3,206 | 4,350 | 5,308 | 5,857 | | | |
| ennsylvaniahode Island | 7,583 727 | 15,446 1,171 | 25,130 1,994 | 33,537 2,462 | 41,287 2,891 | 45,992 2,890 | | | |
| | | ., | .,00. | 2, .02 | 2,001 | 2,000 | | | |
| outh Carolina | 701 | 1,230 | 1,776 | 2,592 | 4,994 | 5,097 | | | |
| outh Dakota | .368 | 784 | 1,250 | 1,625 | 2,089 | 2,735 | | | |
| ennessee | NA | 3,019 | 4,797 | NA | 12,086 | 12,795 | | | |
| exas | 7,595 | 10,420 | 14,025 | 22,686 | 33,154 | 42,706 | | | |
| ah | 1,601 | 1,821 | 4,875 | 5,945 | 8,366 | 9,876 | | | |
| ermont | 97 | 189 | 283 | 383 | 416 | 419 | | | |
| rginia | 2,054 | 4,227 | 6,662 | 9,123 | 11,741 | 13,126 | | | |
| ashington | 3,055 | 5,591 | 4,586 | 8,132 | 9,377 | 10,885 | | | |
| est Virginia | 961 | 2,246 | 3,421 | 4,318 | 5,630 | 5,969 | | | |
| isconsin | NA NA | 2,240 NA | NA | 17,386 | 19,810 | 26,165 | | | |
| yoming | R395 | 1,076 | 1,058 | 17,386 R1,544 | ^R 1,660 | 20,105 R2,243 | | | |
| | | , | , | , - | , | , | | | |

Table 14. Natural Gas Deliveries to Residential Consumers, by State, 1995-1997 (Million Cubic Feet) — Continued

| State | 1996 | | | | | | | |
|----------------------|-------------------|-----------------|-----------------|--------------|--------------|--------------|--|--|
| State | Total | December | November | October | September | August | | |
| | | | | | | | | |
| Nabama | 56,522 | 6,664 | 3,461 | 1,647 | 1,321 | 1,227 | | |
| laska | 16,179 | 2,181 | 1,708 | 1,238 | 589 | 544 | | |
| rizona | 27,709 | 4,051 | 2,322 | 1,082 | 900 | 836 | | |
| rkansas | 46,289 | 6,286 | 3,768 | 1,425 | 1,044 | 955 | | |
| alifornia | 473,310 | 62,905 | 43,702 | 30,462 | 26,104 | 21,757 | | |
| colorado | 110,924 | 15,814 | 9,571 | 4,886 | 2,773 | 2,505 | | |
| Connecticut | 43,764 | 5,842 | 3,522 | 1,840 | 992 | 954 | | |
| elaware | 9,791 | 1,236 | 648 | 291 | 181 | 175 | | |
| istrict of Columbia | 17,290 | 2,406 | 1,252 | 578 | 401 | 380 | | |
| lorida | 16,293 | 1,583 | 972 | 752 | 690 | 658 | | |
| ieorgia | 127,062 | 18,574 | 14,651 | 5,771 | 3,092 | 2,972 | | |
| <u> </u> | , | , | , | , | , | , | | |
| lawaii | 540 | 44 | 41 | 39 | 41 | 40 | | |
| daho | 14,941 | 2,224 | 1,570 | 646 | 364 | 277 | | |
| linois | 538,749 | 80,922 | 63,715 | 28,081 | 13,137 | 9,546 | | |
| ndiana | 179,939 | 26,087 | 18,577 | 7,846 | 3,617 | 3,117 | | |
| owa | 88,078 | 14,138 | 9,782 | 3,620 | 1,954 | 1,610 | | |
| ansas | 85,376 | 14,388 | 9,447 | 3,163 | 1,973 | 1,640 | | |
| entucky | 70,232 | 10,177 | 9,022 | 3,018 | 1,389 | 1,253 | | |
| ouisiana | 56,626 | 6,173 | 3,511 | 2,102 | 1,836 | 1,831 | | |
| laine | 967 | 120 | 105 | 67 | 28 | 23 | | |
| laryland | 85,533 | 11,426 | 7,828 | 3,738 | 2,207 | 2,064 | | |
| lassachusetts | 114,365 | 13,947 | 9,943 | 5,012 | 2,677 | 2,463 | | |
| | | | , | , | , | , | | |
| lichigan | 399,522 | 52,724 | 38,862 | 18,528 | 9,068 | 7,300 | | |
| linnesotalississippi | 142,319 30,157 | 22,152 3,676 | 14,959 1,880 | 6,705 929 | 2,968 804 | 2,433 771 | | |
| | | | | | | | | |
| lissouri | 137,225 | 20,539 | 11,687 | 4,321 | 2,749 | 2,448 | | |
| Iontana | 22,175 | 3,286 | 2,458 | 1,267 | 634 | 431 | | |
| lebraska | 48,989 | 7,283 | 4,043 | 2,173 | 1,017 | 932 | | |
| levada | 22,607 | 3,386 | 2,069 | 894 | 732 | 678 | | |
| lew Hampshire | 7,012 | 855 | 667 | 312 | 169 | 155 | | |
| lew Jersey | 222,619 | 29,983 | 18,933 | 9,917 | 5,472 | 4,715 | | |
| lew Mexico | 33,689 | 5,663 | 3.689 | 1.330 | 844 | 836 | | |
| lew York | 403,264 | NA NA | NA | NA NA | NA . | NA | | |
| lorth Carolina | 58,812 | 8,607 | 4,461 | 1,701 | 913 | 862 | | |
| orth Dakota | 12,591 | 1,894 | 1,256 | 554 | 256 | 209 | | |
| hio | 274 024 | 52 490 | 20 ECE | 10 651 | 7.026 | 6 206 | | |
| hio | 374,824 | 52,480 | 38,565 | 18,651 | 7,026 | 6,306 | | |
| klahoma | 76,629 | 11,298 | 5,722 | 2,267 | 1,679 | 1,515 | | |
| regon | 33,236 | 5,200 | 3,164 | 1,357 | 821 | 673 | | |
| ennsylvania | 278,606 | 36,688 | 27,037 | 13,202 | 5,907 | 5,295 | | |
| hode Island | 18,839 | 2,350 | 1,416 | 738 | 467 | 450 | | |
| outh Carolina | 29,406 | 4,336 | 2,168 | 800 | 476 | 419 | | |
| outh Dakota | 14,085 | 2,243 | 1,414 | 578 | 316 | 231 | | |
| ennessee | 70,423 | 10,177 | 5,949 | 1,987 | 1,190 | 1,101 | | |
| exas | 229,318 | 33,952 | 17,793 | 9,479 | 7,495 | 6,534 | | |
| tah | 54,344 | 8,203 | 5,749 | 4,215 | 2,540 | 1,416 | | |
| ermont | 2,523 | 302 | 208 | 100 | 56 | 47 | | |
| irginia | 76,214 | 10,946 | 7,388 | 2,879 | 1,414 | 1,424 | | |
| | | | | | | | | |
| /ashington | 62,689 | 9,804 | 6,207 | 2,930 | 1,572 | 1,250 | | |
| /est Virginia | 37,390 | 5,166 | 3,391 | 1,609 | 696 | 537 | | |
| /isconsin | 147,893 | 21,285 | 16,724 | 7,783 | 3,130 | 2,726 | | |
| /yoming | 13,534 | 1,744 | 1,334 | 1,087 | 368 | 265 | | |
| | | | | | | | | |

Table 14. Natural Gas Deliveries to Residential Consumers, by State, 1995-1997 (Million Cubic Feet) — Continued

| State | 1996 | | | | | | | | |
|---------------------|---------|----------------|---------|---------|---------|-----------------|--|--|--|
| State | July | June | Мау | April | March | February | | | |
| Makassa | 4.005 | 4 470 | 0.040 | 0.004 | 0.054 | 44.000 | | | |
| Alabama | 1,295 | 1,472 | 2,948 | 6,321 | 8,051 | 11,222 | | | |
| laska | 493 | 647 | 964 | 1,424 | 1,918 | 2,419 | | | |
| rizona | 916 | 1,089 | 1,328 | 2,155 | 3,366 | 4,221 | | | |
| rkansas | 930 | 1,202 | 1,967 | 4,846 | 6,146 | 8,713 | | | |
| California | 18,649 | 25,996 | 30,001 | 36,723 | 52,226 | 58,007 | | | |
| olorado | 2,869 | 4,316 | 6,901 | 11,526 | 14,685 | 17,480 | | | |
| onnecticut | 1,088 | 1,274 | 2,303 | 4,399 | 6,245 | 7,147 | | | |
| elaware | 196 | 310 | 516 | 1,116 | 1,504 | 1,918 | | | |
| istrict of Columbia | 412 | 582 | 807 | 1,712 | 2,376 | 3,083 | | | |
| lorida | 741 | 786 | 1,016 | 1,640 | 2,058 | 2,570 | | | |
| Seorgia | 3,179 | 3,115 | 4,272 | 9,875 | 17,871 | 19,358 | | | |
| lawaii | 42 | 45 | 44 | 49 | 53 | [′] 51 | | | |
| daho | 300 | 542 | 976 | 1,315 | 1,847 | 2,510 | | | |
| linois | 11,346 | 12,437 | 27,063 | 43,288 | 71,599 | 81,430 | | | |
| ndiana | 3,201 | 4,513 | 8,919 | 16,823 | 24,978 | 28,907 | | | |
| owa | 1,663 | 2,343 | 4,187 | 6,945 | 11,830 | 13,725 | | | |
| ansas | 1,836 | 2,343 1,734 | 3,054 | 6,313 | 11,170 | 13,725 | | | |
| Centucky | 1,108 | 1,335 | 2,255 | 5,565 | 10,254 | 11,218 | | | |
| | 1,820 | 1,977 | 2,562 | 5,158 | 7,507 | , | | | |
| ouisiana | | | , | , | , | 10,284 | | | |
| faine | 25 | 29 | 49 | 81 | 137 | 143 | | | |
| laryland | 2,139 | 2,709 | 4,136 | 7,257 | 11,806 | 14,280 | | | |
| lassachusetts | 2,814 | 3,930 | 7,569 | 11,564 | 16,533 | 18,453 | | | |
| lichigan | 7,657 | 10,619 | 24,645 | 40,288 | 57,657 | 63,693 | | | |
| linnesota | 2,583 | 3,708 | 7,335 | 12,254 | 19,126 | 22,665 | | | |
| lississippi | 816 | 839 | 1,366 | 3,174 | 3,851 | 5,900 | | | |
| dissouri | 2,688 | 3,404 | 6,252 | 13,133 | 18,852 | 24,498 | | | |
| Montana | 462 | 745 | 1,400 | 2,028 | 2,649 | 3,530 | | | |
| lebraska | 985 | 1,475 | 2,651 | 4,786 | 6,609 | 8,807 | | | |
| levada | 779 | 1,011 | 1,264 | 1,884 | 2,903 | 3,264 | | | |
| lew Hampshire | 159 | 233 | 426 | 698 | 998 | 1,147 | | | |
| lew Jersey | 5,103 | 6,412 | 11,915 | 20,410 | 31,467 | 36,979 | | | |
| lew Mexico | 1,623 | 1,701 | 610 | 2,586 | 3,085 | 4,620 | | | |
| lew York | 10,129 | 14,186 | 25,231 | 41,232 | 57,763 | 61,203 | | | |
| Iorth Carolina | 889 | 1,210 | 2,131 | 6,189 | 7,391 | 11,718 | | | |
| lorth Dakota | 212 | 356 | 736 | 1,320 | 1,764 | 2,079 | | | |
| | 7.040 | 10.015 | 47.070 | 0.4.540 | 54.000 | 50.000 | | | |
| Phio | 7,210 | 10,315 | 17,670 | 34,510 | 54,228 | 58,620 | | | |
| Oklahoma | 1,628 | 1,989 | 3,321 | 7,697 | 10,164 | 14,497 | | | |
| regon | 839 | 1,386 | 2,300 | 2,821 | 4,042 | 5,586 | | | |
| ennsylvania | 5,688 | 7,575 | 13,490 | 25,624 | 40,492 | 46,086 | | | |
| thode Island | 484 | 692 | 1,216 | 1,901 | 2,664 | 3,119 | | | |
| outh Carolina | 425 | 547 | 954 | 2,996 | 3,741 | 5,943 | | | |
| South Dakota | 239 | 464 | 803 | 1,367 | 1,865 | 2,221 | | | |
| ennessee | 1,166 | 1,327 | 2,355 | 7,058 | 9,516 | 13,801 | | | |
| exas | 7,216 | 7,819 | 9,574 | 19,123 | 28,242 | 35,808 | | | |
| tah | 1,533 | 1,351 | 2,252 | 4,540 | 5,419 | 8,571 | | | |
| ermont | 51 | 85 | 167 | 268 | 354 | 418 | | | |
| 'irginia | 1,502 | 2,088 | 2,536 | 6,501 | 11,185 | 13,709 | | | |
| /ashington | 1,628 | 2,610 | 4,456 | 5,418 | 7,642 | 10,162 | | | |
| Vest Virginia | 590 | 817 | 1,652 | 3,877 | 5,495 | 6,602 | | | |
| /isconsin | 2,753 | 4,415 | 8,015 | 12,774 | 20,320 | 22,563 | | | |
| /yoming | 273 | 510 | 922 | 1,292 | 1,562 | 2,176 | | | |
| Total | 124,371 | 162,277 | 271,486 | 473,842 | 705,207 | 830,912 | | | |

R = Revised Data.
NA = Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 15. Natural Gas Deliveries to Commercial Consumers, by State, 1995-1997 (Million Cubic Feet)

| State | YTD | YTD | YTD | 1997 | | | |
|----------------------|------------------|------------------|-----------------|--------------|--------------|--------------------------|--|
| State | 1997 | 1996 | 1995 | September | August | July | |
| | | | | | | | |
| Nabama | 25,852 | 22,485 | 19,227 | 2,375 | 3,087 | 3,497 | |
| Alaska | 15,885 | 19,000 | 17,482 | 1,336 | 1,125 | 1,167 | |
| Arizona | 22,765 | 21,518 | 21,650 | 1,839 | 1,770 | 1,939 | |
| rkansas | 21,444 | 23,311 | 19,650 | 1,133 | 1,132 | 1,133 | |
| California | 187,357 | 170,193 | 208,519 | 18,468 | 18,728 | 17,97 | |
| Colorado | 54,023 | 50,773 | 49,867 | NA | NA | NA | |
| Connecticut | 29,771 | 29,372 | 28,730 | 1,560 | 1,754 | 1,89 | |
| Delaware | 4,881 | 5,094 | 4,265 | 233 | 183 | 200 | |
| District of Columbia | 12.488 | 12,023 | 12,931 | 852 | 853 | 783 | |
| Torida | 27,921 | 31,845 | 30,490 | 2,561 | 2,651 | 2,578 | |
| Na arada | 20.602 | 45.400 | 20.200 | 2.044 | 2.020 | 0.700 | |
| Georgia Hawaii | 39,683 1,567 | 45,126 1,626 | 39,389 1,665 | 2,811 166 | 2,626 160 | 2,709 179 | |
| daho | 8,163 | 8,180 | 7,472 | NA NA | 356 | 373 | |
| llinois | 142,799 | 148,324 | 138,780 | 6,546 | 5,935 | 6,084 | |
| ndiana | 70,550 | 140,324 NA | 56,395 | 2,667 | 2,551 | 2,428 | |
| | , | | | , | , | | |
| owa | 34,340 | 38,064 | 33,182 | 1,358 | 1,110 | 1,306 | |
| ansas | 35,494 | 41,118 | 36,303 | 2,087 | 1,865 | 1,95 | |
| Centucky | 26,177 | 28,400 | 25,547 | 1,268 | 967 | 1,176 | |
| ouisiana | 19,892 | 20,237 | 17,987 | 1,744 | 1,195 | 1,350 | |
| Maine | 1,874 | 1,804 | 1,654 | 91 | 78 | 72 | |
| Maryland | 35,358 | 33.289 | 32,559 | 2.271 | 2.226 | 2.378 | |
| Massachusetts | 78,612 | 69,284 | 59,053 | 5,488 | 5,776 | 5,55 | |
| /lichigan | 141,144 | 146,309 | 134,767 | 6,211 | 5,889 | 2,278 | |
| /linnesota | 65,084 | 67,293 | 60.426 | 2,563 | 2,522 | 2,496 | |
| fississippi | 15,489 | 17,173 | 14,571 | NA NA | NA NA | NA NA | |
| | 54.505 | 50.500 | 10.004 | 0.400 | 0.054 | 0.45 | |
| Aissouri | 51,565 | 53,503 | 46,884 | 2,196 | 2,054 | 2,15 | |
| Montana | 9,834 | 10,192 NA | 9,237 NA | 423 | 383 NA | 363 NA | |
| lebraska | 29,117 | | | 1,868 | | | |
| levada | 16,188 | 14,918 | 14,237 | 1,192 NA | 1,145 | 1,097 | |
| lew Hampshire | 5,285 | 5,145 | 4,620 | NA | 217 | 216 | |
| lew Jersey | 106,088 | 111,281 | 100,958 | 6,062 | 5,793 | 6,094 | |
| lew Mexico | 18,612 | 19,098 | 17,535 | 1,020 | 997 | 984 | |
| lew York | 202,094 | NA | 165,324 | ŇA | NA | NA | |
| lorth Carolina | 27,788 | 30,149 | 27,081 | 1,751 | 1,629 | 1,548 | |
| North Dakota | 8,267 | 8,477 | 8,162 | 344 | 291 | 305 | |
| Nhio | 125 922 | 126 047 | 120.045 | 4.002 | 2 557 | 2 200 | |
| Ohio | 125,823 | 136,847 | 120,945 | 4,083 | 3,557 | 3,288 | |
| Oklahoma | 32,587 | 34,965 | 29,620 | 1,659 | 1,626 | 1,649 | |
| Oregon | 18,660 | 18,383 | 16,406 | 1,023 | 912 | 1,007 | |
| Pennsylvania | 102,648 9,041 | 109,042 9,388 | 94,638 8,745 | 5,298 460 | 3,779 399 | 4,680 43 ² | |
| anodo isiana | 3,041 | 3,300 | 0,740 | 400 | 333 | 43 | |
| South Carolina | 15,095 | 15,080 | 13,726 | 1,904 | 1,019 | 997 | |
| South Dakota | 7,544 | ŇA | 7,450 | 334 | 250 | 246 | |
| ennessee | 41,282 | 42,952 | 36,063 | 2,120 | 2,064 | 2,090 | |
| exas | 151,154 | 137,480 | 157,200 | 15,035 | 15,234 | 15,315 | |
| tah | 20,771 | 20,066 | 18,590 | 1,124 | 943 | 927 | |
| ermont | 2,182 | 2,038 | 1,890 | 108 | 80 | 80 | |
| irginia | 43,938 | 42,634 | 40,208 | 2,392 | 2,449 | 2,370 | |
| | | | | 2,392 NA | 2,449 NA | 2,370 NA | |
| Vashington | 37,786 | 34,327 | 30,939 | | | | |
| Vest Virginia | 19,000 | 20,511 | 18,043 | 1,195 | 1,292 NA | 1,044 | |
| Visconsin | 62,820 | 64,725 | 55,427 NA | 2,638 NA | | 2,568 | |
| Vyoming | 9,501 | NA | NA | NA | R345 | ^R 943 | |
| Total | 2,293,285 | 2,283,280 | 2,143,906 | 139,738 | R134,146 | R132,57 | |

Table 15. Natural Gas Deliveries to Commercial Consumers, by State, 1995-1997 (Million Cubic Feet) — Continued

| Alabama | State | June | May | April | March | February | Januar |
|---|---|--------|-------------|--------|--------|----------|--------------------|
| Alaska 1,191 1,546 1,914 2,075 2,488 3 Arkanasa 1,1976 2,141 2,563 3,153 3,525 3 Arkanasa 1,219 1,653 2,172 3,149 4,730 5 Zalidfornia 16,572 18,194 21,091 23,612 26,107 25 Colorado MA NA 6,121 MA NA | | | | · · | | 1 | Januar |
| Jaska 1.191 1.546 1.914 2.075 2.488 3 Jrizona 1.976 2.141 2.663 3.153 3.525 3 Jrkansas 1.219 1.653 2.172 3.149 4.730 5 Jacilfornia 16.672 18.994 21.091 23.612 2.6107 25 Jolorado NA NA 6.121 NA NA | | 4 770 | 0.000 | 0.404 | 0.040 | 4.000 | 4.004 |
| uizona 1,976 2,141 2,653 3,153 3,525 3 vikanasa 1,219 1,657 18,994 21,091 23,612 26,107 25 zalifornia 16,672 18,994 21,091 23,612 26,107 25 zalifornia 1,986 2,586 4,055 4,797 5,346 5 zolorido MA MA 6,121 MA MA n.6 zolorida 2,917 2,902 3,017 3,307 3,466 1 zolorida 2,917 2,902 3,017 3,007 3,862 4 zororida 2,2,800 3,216 4,152 4,864 7,924 8 zeorgia 2,2,800 3,216 1,162 4,864 7,924 8 zeorgia 2,2,800 3,216 1,162 4,864 7,924 8 zeorgia 2,2,800 3,216 1,627 23,444 30,059 3 zoloridana | | , | , | , | | , | 4,224 |
| urkansas 1,219 1,657 2,894 2,172 3,149 4,730 5 Zaliolfornia 16,577 18,994 21,091 23,612 26,107 25 Zolorado MA NA 6,121 MA NA NA< | ılaska | 1,191 | 1,546 | 1,914 | 2,075 | 2,488 | 3,042 |
| 16,572 18,994 21,091 23,612 26,107 25 | rizona | 1,976 | 2,141 | 2,563 | 3,153 | 3,525 | 3,858 |
| 16,572 18,994 21,091 23,612 26,107 25 | rkansas | 1.219 | 1.653 | 2.172 | 3.149 | 4.730 | 5,123 |
| 2586 4.055 4.797 5.346 5.896 4.055 4.797 5.346 5.896 4.055 4.797 5.346 5.896 4.055 4.797 5.346 5.896 4.096 5.896 4.096 5.896 4.096 5.896 4.096 5.896 4.096 5.896 4.096 5.896 5.996 5.896 5.996 | | , | | , | , | , | 25,816 |
| connecticut 1,986 2,586 4,055 4,797 5,346 5 elaware 281 420 628 858 1,046 1 strict of Columbia 951 1,373 842 2,183 2,316 2 orida 2,917 2,902 3,017 3,307 3,862 4 eorgia 2,800 3,216 4,152 4,864 7,924 8 awaii 170 166 174 180 188 sho 399 686 1,041 1,345 1,784 1 loinis 6,145 10,664 16,797 23,444 30,059 37 diena 6,344 9,965 7,610 10,465 12,807 15 wa 1,262 2,376 3,976 5,758 7,056 10 ansas 1,461 2,798 4,004 6,012 8,130 7 publishina 1,408 1,492 1,837 3,313 <td>olorado</td> <td>NA</td> <td>NA</td> <td>6 121</td> <td>NA</td> <td>NA</td> <td>NA</td> | olorado | NA | NA | 6 121 | NA | NA | NA |
| elaware | | 1 096 | 2 596 | , | 4 707 | 5 246 | 5,792 |
| istrict of Columbia 951 1,373 842 2,183 2,316 2 orida 2,917 2,902 3,017 3,307 3,862 4 eorgia 2,2800 3,216 4,152 4,864 7,924 8 awaii 170 166 174 180 188 ahaho 399 686 1,041 1,345 1,784 1 inois 6,145 10,664 16,797 2,3,444 30,059 37 didina 6,344 9,965 7,610 10,466 12,807 15 wa 1,262 2,376 3,976 5,758 7,056 10 ansas 1,451 2,798 4,004 6,012 8,130 7 ansas 1,451 2,798 4,004 6,012 8,130 7 ansas 1,461 2,798 4,004 6,012 8,130 7 ansas 1,461 2,798 4,004 6,012 8,130 7 ansas 1,468 1,492 1,837 3,313 3,574 3 aine 92 152 231 378 348 anyland 8,2,305 8,2,735 8,4,20 8,5,633 8,63,80 8,7 assachusetts 7,151 6,266 9,088 11,630 13,854 13 assachusetts 7,151 1,176 1,237 1,533 2,106 13,403 15 ississippi 1,1,76 1,237 1,533 2,106 13,403 15 assachuset 2,457 3,569 5,786 7,970 12,828 12 ontana 451 7,14 1,342 1,652 1,947 2 aberbaska 1,468 Ma 8,3 190 4,117 8,099 5 avada 1,409 1,666 1,896 2,442 2,629 2 ave Hampshire 286 472 739 954 1,079 15 ave Jersey 7,027 9,816 13,645 21,543 14,211 21 ave Mexico 960 1,766 1,862 2,935 3,938 4 ave Hampshire 286 472 739 954 1,079 15 ave York Ma Na | | | , | , | , | - / | , |
| orida | | | | | | | 1,025 |
| sorgia 2,800 3,216 4,152 4,864 7,924 8 awaii 170 166 174 180 188 aho 399 686 1,041 1,345 1,784 1 nois 6,145 10,664 16,797 23,444 30,059 37 diana 6,344 9,965 7,610 10,465 12,807 15 wa 1,262 2,376 3,976 5,758 7,056 10 ansas 1,451 2,798 4,004 6,012 8,130 7 nutcley 1,181 1,890 2,913 4,093 5,483 7 antucley 1,181 1,890 2,913 4,093 5,483 7 antucley 1,181 1,890 2,913 4,933 3,433 3,574 3 antucley 1,181 1,890 2,913 3,933 4,833 2 aryland **2,305 **2,305 **2,735 | strict of Columbia | | , | | , | , | 2,335 |
| awaii | orida | 2,917 | 2,902 | 3,017 | 3,307 | 3,862 | 4,126 |
| awaii | eorgia | 2,800 | 3,216 | 4,152 | 4,864 | 7,924 | 8,582 |
| aho | <u> </u> | , | , | , | , | | 188 |
| inois 6,145 10,664 16,797 23,444 30,059 37 diana 6,344 9,965 7,610 10,465 12,807 15 wa 1,262 2,376 3,976 5,758 7,056 10 ansas 1,451 2,798 4,004 6,012 8,130 7 ansucky 1,181 1,890 2,913 4,093 5,483 7 ansucky 1,181 1,890 2,913 4,093 5,483 7 ansucky 1,181 1,890 2,913 4,093 5,483 7 ansucky 1,181 1,408 1,492 1,837 3,313 3,574 3 aine 92 152 231 378 348 analysis 1,408 1,492 1,837 3,313 3,574 3 aine 92 152 231 378 348 analysis 1,563 8,630 8,735 8,434 13 anyland 8,205 9,205 8,205 9,088 11,630 13,854 13 (chigan 7,664 13,205 19,207 25,654 28,433 32 (chigan 7,664 13,205 19,207 25,654 11,409 1,404 1,404 1,405 1,404 1,405 1,404 1,405 1,4 | | | | | | | 1,816 |
| diana 6,344 9,965 7,610 10,465 12,807 15 wa 1,262 2,376 3,976 5,758 7,056 10 ansas 1,451 2,798 4,004 6,012 8,130 7 antucky 1,181 1,890 2,913 4,093 5,483 7 pulsiana 1,408 1,492 1,837 3,313 3,574 3 aryland **2,305 **2,735 **4,420 **5,563 **6,380 **7 assachusetts 7,151 6,266 9,068 11,630 13,854 13 torigan 7,664 13,205 19,207 25,654 28,433 32 innesota 3,004 5,155 8,361 12,000 13,403 15 issouri 2,457 3,569 5,786 7,970 12,828 12 ontana 451 714 1,342 1,652 1,947 2 ebraska 1,468 | | | | , | , | | , |
| wa | | | | | | | 37,125 |
| ansas 1,451 2,788 4,004 6,012 8,130 7 entucky 1,181 1,890 2,913 4,093 5,483 7 7 ouisiana 1,408 1,492 1,837 3,313 3,574 3 aine 92 152 231 378 348 aryland \$\begin{array}{c} 2,905 \\ 2,2 | uidiid | 0,344 | 9,900 | 7,010 | 10,400 | 12,807 | 15,715 |
| antucky 1,181 1,890 2,913 4,093 5,483 7 youlsiana 1,408 1,492 1,837 3,313 3,574 3 aine 92 152 231 378 348 aryland \$\begin{array}{c} 2,305 & \begin{array}{c} 1,235 & \begin{array}{c} 8,420 & \begin{array}{c} 8,563 & \begin{array}{c} 8,380 & \begin{array}{c} 87 & 3,313 & 3,574 & 3 alne & 92 & 152 & 231 & 378 & 34 | | , | , | , | , | , | 10,137 |
| antucky 1,181 1,890 2,913 4,093 5,483 7 julisiana 1,408 1,492 1,837 3,313 3,574 3 aine 92 152 231 378 348 aryland \$\begin{array}{c} 2,305 & \begin{array}{c} 1,235 & \begin{array}{c} 4,420 & \begin{array}{c} 8,563 & \begin{array}{c} 6,380 & \begin{array}{c} 7,851 & 6,266 & 9,668 & 11,630 & 13,854 & 13 & 12,669 & 12,665 & 12,643 & 32 & 12,669 & 12,665 & 12,643 & 32 & 12,669 & 12,665 & 12,643 & 32 & 12,665 & 12,665 & 12,643 & 13 & 12,665 & 12,665 & 12,643 & 13 & 12,665 & 12,665 & 12,643 & 13 & 12,665 & 12,665 & 12,643 & 14,665 & 12,665 & 12,647 & 12,665 & 12,647 & 12,652 & 1,947 & 22 & 12,655 | ansas | 1,451 | 2,798 | 4,004 | 6,012 | 8,130 | 7,190 |
| puisiania 1,408 1,492 1,837 3,313 3,574 3 aine 92 152 231 378 348 348 aryland **2,305 **2,735 **4,420 **5,563 **6,380 **7 assachusetts 7,151 6,266 9,068 11,630 13,854 13 ichigan 7,664 13,205 19,207 25,654 28,433 32 innesota 3,004 5,155 8,361 12,000 13,403 15 ississispipi 1,176 1,237 1,533 2,106 3,062 3 issouri 2,457 3,569 5,786 7,970 12,828 12 ontana 451 714 1,342 1,652 1,947 2 evada 1,408 1,666 1,896 2,442 2,629 2 ew Hampshire 286 472 739 954 1,079 1 ew Jersey 7,027 <td< td=""><td>entucky</td><td>1,181</td><td>1.890</td><td>2.913</td><td></td><td>5.483</td><td>7,206</td></td<> | entucky | 1,181 | 1.890 | 2.913 | | 5.483 | 7,206 |
| aine 92 152 231 378 348 aryland 82,305 82,735 84,420 85,563 86,380 87 assachusetts 71,51 6,266 9,668 11,630 13,854 13 chiqian 7,664 13,205 19,207 25,654 28,433 32 innesota 3,004 5,155 8,361 12,000 13,403 15 sississippl 1,176 1,237 1,533 2,106 3,062 3 issouri 2,457 3,569 5,766 7,970 12,828 12 ontana 451 714 1,342 1,652 1,947 2 ontana 451 714 1,342 1,652 1,947 1 ontana 9,540 1,766 1,866 2,442 2,629 2 ontana 1,409 1,666 1,866 2,442 2,629 2 ontana 1,409 1,666 1,866 2,442 2,629 2 ontana 9,600 1,766 1,862 2,935 3,938 4 ontana 1,770 2,401 2,973 3,806 5,850 6 onth Dakota 343 619 1,095 1,408 1,879 1 hio 5,204 11,339 15,190 23,205 28,174 31 klahoma 1,517 2,617 3,571 5,041 7,183 7 regon 1,067 1,574 2,304 3,076 3,686 4 onth Dakota 343 604 940 1,235 1,607 2 onth Dakota 283 604 940 1,235 1,607 3 onth Dakota 283 604 940 1,235 1,607 3 onth D | | | | | , | , | 3,979 |
| assachusetts 7,151 6,266 9,068 11,630 13,854 13 inchigan 7,664 13,205 19,207 25,654 28,433 32 innesota 3,004 5,155 8,361 12,000 13,403 15 ississippi 1,176 1,237 1,533 2,106 3,062 3 issouri 2,457 3,569 5,786 7,970 12,828 12 ontana 451 714 1,342 1,652 1,947 2 sharska 1,468 NA 3,190 4,117 8,099 5 inchigan 2,804 4,109 1,666 1,896 2,442 2,629 2 well Hampshire 286 472 739 954 1,079 1 inchigan 2,804 1,409 1,666 1,896 2,442 2,629 2 well Hampshire 286 472 739 954 1,079 1 inchigan 2,973 3,806 5,850 6 inchidal 2,975 3,988 4 inchidal 3,438 6 inchidal 3,438 | | | , | | | , | 433 |
| assachusetts 7,151 6,266 9,068 11,630 13,854 13 ichigan 7,664 13,205 19,207 25,654 28,433 32 innesota 3,004 5,155 8,361 12,000 13,403 15 ississippi 1,176 1,237 1,533 2,106 3,062 3 issouri 2,457 3,569 5,786 7,970 12,828 12 ontana 451 714 1,342 1,652 1,947 2 ebraska 1,468 NA 3,190 4,117 8,099 5 ebraska 1,468 NA 3,190 4,117 8,099 5 evada 1,409 1,666 1,896 2,442 2,629 2 ew Hampshire 286 472 739 954 1,079 1 ew Jersey 7,027 9,816 13,645 21,543 14,211 21 ew Mexico 960 1,766 1,862 2,935 3,938 4 ew York NA | on don d | Ro 205 | Ro 705 | R4 400 | RE ECO | Rc ago | ^R 7.080 |
| ichigan 7,664 13,205 19,207 25,654 28,433 32 innesota 3,004 5,155 8,361 12,000 13,403 15 ississippi 1,176 1,237 1,533 2,106 3,062 3 issouri 2,457 3,569 5,786 7,970 12,828 12 ontana 451 714 1,342 1,652 1,947 2 ebraska 1,468 NA 8,3190 4,117 8,099 5 evada 1,409 1,666 1,896 2,442 2,629 2 ew Hampshire 286 472 739 954 1,079 1 ew Jersey 7,027 9,816 13,645 21,543 14,211 21 ew Mexico 960 1,766 1,862 2,935 3,938 4 ew York NA | • | , | | , - | | -, | , |
| innesota 3,004 5,155 8,361 12,000 13,403 15 ississippi 1,176 1,237 1,533 2,106 3,062 3 issouri 2,457 3,569 5,786 7,970 12,828 12 ontana 451 7,14 1,342 1,652 1,947 2 ebraska 1,468 NA 8,190 4,117 8,099 5 evada 1,409 1,666 1,896 2,442 2,629 2 ew Hampshire 286 472 739 954 1,079 1 ew Jersey 7,027 9,816 13,645 21,543 14,211 21 ew Mexico 960 1,766 1,862 2,935 3,938 4 ew York NA | | , | | , | | , | 13,824 |
| ississippi 1,176 1,237 1,533 2,106 3,062 3 issouri 2,457 3,569 5,786 7,970 12,828 12 ontana 451 714 1,342 1,652 1,947 2 ebraska 1,468 NA 83,190 4,117 8,099 5 evada 1,409 1,666 1,896 2,442 2,629 2 ew Hampshire 286 472 739 954 1,079 1 ew Jersey 7,027 9,816 13,645 21,543 14,211 21 ew Mexico 960 1,766 1,862 2,935 3,938 4 ew York NA NA NA NA NA NA NA NA wey York NA | ichigan | | 13,205 | 19,207 | | 28,433 | 32,603 |
| Sissouri | innesota | 3,004 | 5,155 | 8,361 | 12,000 | 13,403 | 15,580 |
| ontana 451 714 1,342 1,652 1,947 2 ebraska 1,468 NA *83,190 4,117 8,099 5 ewada 1,409 1,666 1,896 2,442 2,629 2 ew Hampshire 286 472 739 954 1,079 1 ew Jersey 7,027 9,816 13,645 21,543 14,211 21 ew Work Na N | ississippi | 1,176 | 1,237 | 1,533 | 2,106 | 3,062 | 3,226 |
| ontana 451 714 1,342 1,652 1,947 2 ebraska 1,468 NA *83,190 4,117 8,099 5 ewada 1,409 1,666 1,896 2,442 2,629 2 ew Hampshire 286 472 739 954 1,079 1 ew Jersey 7,027 9,816 13,645 21,543 14,211 21 ew Work Na N | issouri | 2.457 | 3.569 | 5.786 | 7.970 | 12.828 | 12,556 |
| ebraska 1,468 NA R3,190 4,117 8,099 5 evada 1,409 1,666 1,896 2,442 2,629 2 ew Hampshire 286 472 739 954 1,079 1 ew Jersey 7,027 9,816 13,645 21,543 14,211 21 ew Mexico 960 1,766 1,862 2,935 3,938 4 ew York NA | | | , | , | , | , | 2,558 |
| evada 1,409 1,666 1,896 2,442 2,629 2 ew Hampshire 286 472 739 954 1,079 1 ew Jersey 7,027 9,816 13,645 21,543 14,211 21 ew Mexico 960 1,766 1,862 2,935 3,938 4 ew York NA | | | | | , | , | 5,907 |
| ew Hampshire 286 472 739 954 1,079 1 ew Jersey 7,027 9,816 13,645 21,543 14,211 21 ew Mexico 960 1,766 1,862 2,935 3,938 4 ew York NA N | | , | 4.000 | , | , | , | |
| Pew Jersey 7,027 9,816 13,645 21,543 14,211 21 21 21 21 21 21 21 21 21 21 21 21 | | | , | , | , | , | 2,711 |
| ew Mexico 960 1,766 1,862 2,935 3,938 4 ew York NA | ew Hampshire | 286 | 4/2 | 739 | 954 | 1,079 | 1,073 |
| ew York NA NA <t< td=""><td>ew Jersey</td><td>7,027</td><td>9,816</td><td>13,645</td><td>21,543</td><td>14,211</td><td>21,897</td></t<> | ew Jersey | 7,027 | 9,816 | 13,645 | 21,543 | 14,211 | 21,897 |
| 1,770 | ew Mexico | | | | | | 4,151 |
| orth Dakota 343 619 1,095 1,408 1,879 1 hio 5,204 11,339 15,190 23,205 28,174 31 klahoma 1,517 2,617 3,571 5,041 7,183 7 regon 1,067 1,574 2,304 3,076 3,686 4 ennsylvania 5,554 10,354 13,007 17,888 19,583 22 node Island 537 892 1,144 1,740 1,744 1 puth Carolina 1,214 1,278 1,379 1,816 2,689 2 puth Dakota 283 604 940 1,235 1,607 2 gennessee NA 3,242 4,276 NA 9,488 9 exas 11,993 NA 13,790 NA 21,368 27 earnessee 11,993 NA 13,790 NA 21,368 27 earnessee 11,993 1,268 | ew York | NA | NA | NA | NA | NA | ŇA |
| orth Dakota 343 619 1,095 1,408 1,879 1 hio 5,204 11,339 15,190 23,205 28,174 31 klahoma 1,517 2,617 3,571 5,041 7,183 7 regon 1,067 1,574 2,304 3,076 3,686 4 ennsylvania 5,554 10,354 13,007 17,888 19,583 22 hode Island 537 892 1,144 1,740 1,744 1 puth Carolina 1,214 1,278 1,379 1,816 2,689 2 puth Dakota 283 604 940 1,235 1,607 2 gennessee NA 3,242 4,276 NA 9,488 9 exas 11,993 NA 13,790 NA 21,368 27 ermont 108 160 296 429 444 444 444 444 444 444 444 <td>orth Carolina</td> <td>1.770</td> <td>2.401</td> <td>2.973</td> <td>3.806</td> <td>5.850</td> <td>6,059</td> | orth Carolina | 1.770 | 2.401 | 2.973 | 3.806 | 5.850 | 6,059 |
| klahoma 1,517 2,617 3,571 5,041 7,183 7 regon 1,067 1,574 2,304 3,076 3,686 4 ennsylvania 5,554 10,354 13,007 17,888 19,583 22 hode Island 537 892 1,144 1,740 1,744 1 buth Carolina 1,214 1,278 1,379 1,816 2,689 2 buth Dakota 283 604 940 1,235 1,607 2 ennessee NA 3,242 4,276 NA 9,488 9 exas 11,993 NA 13,790 NA 21,368 27 tah 946 1,268 2,675 3,363 4,473 5 ermont 108 160 296 429 444 rginia 2,681 4,381 5,762 7,212 8,021 8 rashington 2,917 4,098 4,100 5,627 6,275 7 rest Virginia 1,181 1,693 2,222 </td <td></td> <td></td> <td>,</td> <td></td> <td>,</td> <td>,</td> <td>1,982</td> | | | , | | , | , | 1,982 |
| kdahoma 1,517 2,617 3,571 5,041 7,183 7 regon 1,067 1,574 2,304 3,076 3,686 4 ennsylvania 5,554 10,354 13,007 17,888 19,583 22 node Island 537 892 1,144 1,740 1,744 1 outh Carolina 1,214 1,278 1,379 1,816 2,689 2 outh Dakota 283 604 940 1,235 1,607 2 ennessee NA 3,242 4,276 NA 9,488 9 exas 11,993 NA 13,790 NA 21,368 27 ah 946 1,268 2,675 3,363 4,473 5 ermont 108 160 296 429 444 rginia 2,681 4,381 5,762 7,212 8,021 8 ashington 2,917 4,098 4,100 5,627< | nio. | 5 204 | 11 220 | 15 100 | 22 205 | 20 17/ | 21 702 |
| regon 1,067 1,574 2,304 3,076 3,686 4 gennsylvania 5,554 10,354 13,007 17,888 19,583 22 node Island 537 892 1,144 1,740 1,744 1 puth Carolina 1,214 1,278 1,379 1,816 2,689 2 puth Dakota 283 604 940 1,235 1,607 2 punessee NA 3,242 4,276 NA 9,488 9 exas 11,993 NA 13,790 NA 21,368 27 ah 946 1,268 2,675 3,363 4,473 5 ermont 108 160 296 429 444 rginia 2,681 4,381 5,762 7,212 8,021 8 ashington 2,917 4,098 4,100 5,627 6,275 7 est Virginia 1,181 1,693 2,222 | | , | , | , | | , | 31,783 |
| ennsylvania 5,554 10,354 13,007 17,888 19,583 22 hode Island 537 892 1,144 1,740 1,744 1 1 1,744 1 1 1,745 1,745 1,745 1,744 1 1 1,745 1,7 | | | , | | , | , | 7,724 |
| hode Island 537 892 1,144 1,740 1,744 1 buth Carolina 1,214 1,278 1,379 1,816 2,689 2 buth Dakota 283 604 940 1,235 1,607 2 ennessee NA 3,242 4,276 NA 9,488 9 exas 11,993 NA 13,790 NA 21,368 27 tah 946 1,268 2,675 3,363 4,473 5 ermont 108 160 296 429 444 riginia 2,681 4,381 5,762 7,212 8,021 8 ashington 2,917 4,098 4,100 5,627 6,275 7 (est Virginia 1,181 1,693 2,222 2,816 3,652 3 NA NA NA 11,297 12,587 16 | o , , , | | | | | | 4,011 |
| Duth Carolina 1,214 1,278 1,379 1,816 2,689 2 Duth Dakota 283 604 940 1,235 1,607 2 Senessee NA 3,242 4,276 NA 9,488 9 Exas 11,993 NA 13,790 NA 21,368 27 Itah 946 1,268 2,675 3,363 4,473 5 Jermont 108 160 296 429 444 | | , | | 13,007 | , | 19,583 | 22,506 |
| outh Dakota 283 604 940 1,235 1,607 2 ennessee NA 3,242 4,276 NA 9,488 9 exas 11,993 NA 13,790 NA 21,368 27 tah 946 1,268 2,675 3,363 4,473 5 ermont 108 160 296 429 444 4 </td <td>hode Island</td> <td>537</td> <td>892</td> <td>1,144</td> <td>1,740</td> <td>1,744</td> <td>1,694</td> | hode Island | 537 | 892 | 1,144 | 1,740 | 1,744 | 1,694 |
| buth Dakota 283 604 940 1,235 1,607 2 pennessee NA 3,242 4,276 NA 9,488 9 exas 11,993 NA 13,790 NA 21,368 27 right 946 1,268 2,675 3,363 4,473 5 ermont 108 160 296 429 444 < | outh Carolina | 1.214 | 1 278 | 1 379 | 1 816 | 2 689 | 2,799 |
| ennessee | | | | | | | 2,045 |
| exas 11,993 NA 13,790 NA 21,368 27 tah 946 1,268 2,675 3,363 4,473 5 ermont 108 160 296 429 444 rginia 2,681 4,381 5,762 7,212 8,021 8 ashington 2,917 4,098 4,100 5,627 6,275 7 est Virginia 1,181 1,693 2,222 2,816 3,652 3 isconsin NA NA NA 11,297 12,587 16 | | | | | | | 9,084 |
| page 1 1,995 1,168 2,675 3,363 4,473 5 permont 108 160 296 429 444 rginia 2,681 4,381 5,762 7,212 8,021 8 ashington 2,917 4,098 4,100 5,627 6,275 7 est Virginia 1,181 1,693 2,222 2,816 3,652 3 isconsin NA NA NA 11,297 12,587 16 | | | 3,∠4∠ N∆ | | | | |
| ermont 108 160 296 429 444 rginia 2,681 4,381 5,762 7,212 8,021 8 ashington 2,917 4,098 4,100 5,627 6,275 7 est Virginia 1,181 1,693 2,222 2,816 3,652 3 isconsin NA NA NA 11,297 12,587 16 | | | | | | | 27,444 |
| rginia | an | 946 | 1,268 | 2,675 | 3,363 | 4,473 | 5,051 |
| ashington 2,917 4,098 4,100 5,627 6,275 7 est Virginia 1,181 1,693 2,222 2,816 3,652 3 isconsin NA NA NA 11,297 12,587 16 | | 108 | 160 | 296 | 429 | 444 | 477 |
| Ashington 2,917 4,098 4,100 5,627 6,275 7 Vest Virginia 1,181 1,693 2,222 2,816 3,652 3 Visconsin NA NA NA 11,297 12,587 16 | rginia | 2,681 | 4,381 | 5,762 | 7,212 | 8,021 | 8,670 |
| /est Virginia 1,181 1,693 2,222 2,816 3,652 3 /isconsin NA NA NA 11,297 12,587 16 | · • · · · · · · · · · · · · · · · · · · | | | | | | 7,474 |
| isconsin NA NA NA 11,297 12,587 16 | | | | | | | 3,903 |
| 11,207 12,007 10 | | NA | NA | | | | 16,141 |
| • • | | | | | | | R1,681 |
| Total | | | , | | | | R480,085 |

Table 15. Natural Gas Deliveries to Commercial Consumers, by State, 1995-1997 (Million Cubic Feet) — Continued

| State | 1996 | | | | | | | | |
|--------------------|-----------------|--------------|--------------|--------------|--------------|----------------|--|--|--|
| State | Total | December | November | October | September | August | | | |
| | | | | | | | | | |
| labama | 29,002 | 3,123 | 1,991 | 1,402 | 1,207 | 1,133 | | | |
| laska | 27,315 | 3,236 | 2,743 | 2,337 | 1,617 | 1,396 | | | |
| izona | 29,102 | 3,259 | 2,461 | 1,748 | 1,680 | 1,753 | | | |
| kansas | 31,009 | 3,876 | 2,462 | 1,356 | 1,106 | 1,060 | | | |
| alifornia | 236,332 | 24,836 | 21,313 | 18,727 | 17,544 | 17,540 | | | |
| olorado | 68,931 | 9,028 | 5,807 | 3,306 | 2,227 | 2,156 | | | |
| onnecticut | 39,818 | 4,902 | 3,112 | 2,400 | 1,822 | 1,714 | | | |
| elaware | 6,695 | 821 | 502 | 277 | 223 | 203 | | | |
| strict of Columbia | 16,353 | 2,325 | 1,195 | 804 | 774 | 750 | | | |
| orida | 41,898 | 3,830 | 3,179 | 2,957 | 2,840 | 2,716 | | | |
| eorgia | 61,377 | 7,462 | 5,450 | 3,339 | 2,673 | 2,594 | | | |
| awaii | 2,132 | 176 | 160 | 170 | 171 | 166 | | | |
| aho | 11,540 | 1,621 | 1,107 | 597 | 421 | 354 | | | |
| nois | 218,086 | 32,425 | 25,216 | 12,090 | 7,125 | 5,314 | | | |
| diana | 87,568 | 12,378 | 9,122 | 4,102 | 2,202 | 2,104 | | | |
| wa | 54,576 | 8,510 | 5,896 | 2,101 | 1,926 | 1,080 | | | |
| ansas | 57,231 | 9,187 | 4,867 | 2,057 | 1,286 | 3,505 | | | |
| entucky | 40,980 | 5,892 | 4,439 | 2,241 | 1,194 | 1,123 | | | |
| ouisiana | 25,769 | 2,435 | 1,680 | 1,395 | 1,305 | 1,321 | | | |
| aine | 2,566 | 310 | 280 | 172 | 78 | 75 | | | |
| aryland | 45,891 | 5,433 | 4,693 | 2,427 | 1,922 | 1,866 | | | |
| assachusetts | 96,192 | 11,752 | 9,718 | 5,432 | 4,767 | 4,274 | | | |
| | 201,431 | 26,123 | 19,486 | 9,472 | 6,146 | , | | | |
| ichiganinnesota | 98,580 | 15,009 | 19,466 | 5,479 | 2,867 | 5,383 2,254 | | | |
| ississippi | 22,230 | 2,333 | 1,631 | 1,088 | 1,078 | 1,198 | | | |
| | 70.000 | 40.004 | 0.400 | 0.050 | 0.005 | 0.050 | | | |
| issouri | 72,833 | 10,204 | 6,136 | 2,959 | 2,235 | 2,356 | | | |
| ontana | 14,836 | 2,123 | 1,659 | 848 | 498 | 374 | | | |
| ebraska | 40,833 | 5,032 | 3,678 | 2,778 | 2,273 | 2,489 | | | |
| evadaew Hampshire | 20,469 7,099 | 2,417 896 | 1,817 698 | 1,269 360 | 1,116 201 | 1,062 193 | | | |
| • | , | | | | | | | | |
| ew Jersey | 150,432 | 18,834 | 12,586 | 7,731 | 5,870 | 5,536 | | | |
| ew Mexico | 26,544 | 3,553 | 2,450 | 1,365 | 1,079 | 1,352 | | | |
| ew York | 253,129 | NA | NA | NA | NA | NA | | | |
| orth Carolina | 40,467 | 5,160 | 3,240 | 1,917 | 1,658 | 1,575 | | | |
| orth Dakota | 12,165 | 1,726 | 1,286 | 661 | 410 | 301 | | | |
| nio | 190,195 | 26,298 | 18,274 | 8,548 | 4,048 | 4,401 | | | |
| klahoma | 46,284 | 6,014 | 3,273 | 1,900 | 1,759 | 1,678 | | | |
| regon | 25,622 | 3,595 | 2,314 | 1,306 | 1,023 | 905 | | | |
| ennsylvania | 154,677 | 22,333 | 15,107 | 8,161 | 4,302 | 4,365 | | | |
| hode Island | 12,301 | 1,290 | 972 | 648 | 581 | 443 | | | |
| outh Carolina | 20,329 | 2,447 | 1,644 | 1,157 | 1,041 | 957 | | | |
| outh Dakota | 11,602 | 1,813 | 1,237 | 571 | 352 | 283 | | | |
| ennessee | 58,513 | 7,599 | 5,116 | 2,830 | 2,354 | 1,979 | | | |
| exas | 178,573 | 18,053 | 12,865 | NA NA | 8,830 | 12,079 | | | |
| ah | 29,666 | 4,220 | 3,185 | 2,073 | 1,279 | 874 | | | |
| ermont | 2,825 | 348 | 276 | 162 | 90 | 69 | | | |
| rginia | 59,294 | 7,489 | 5,776 | 3,363 | 2,401 | 2,081 | | | |
| ashington | 48,252 | 6,623 | 4,489 | 2,701 | 1,920 | 1,697 | | | |
| est Virginia | 28,030 | 3,400 | 2,494 | 1,620 | 1,171 | 1,259 | | | |
| isconsin | 93,868 | 13,368 | 11,029 | 4,694 | 2,376 | 2,294 | | | |
| yoming | 9,735 | 1,748 | 1,301 | 640 | 250 | 197 | | | |
| | | | | | | | | | |

Table 15. Natural Gas Deliveries to Commercial Consumers, by State, 1995-1997

| Ctata | 1996 | | | | | | | |
|---------------------|----------------|----------------|----------------|----------------|-----------------|-----------------|--|--|
| State | July | June | Мау | April | March | February | | |
| Jahama | 4.400 | 4.224 | 4.740 | 2.004 | 2 725 | 4.040 | | |
| labama | 1,169 | 1,234 | 1,716 | 2,881 | 3,735 | 4,849 | | |
| laska | 1,337 | 1,458 | 1,789 | 2,364 | 2,748 | 3,227 | | |
| rizona | 1,779 | 1,987 | 2,110 | 2,532 | 2,984 | 3,107 | | |
| rkansas | 1,056 | 1,052 | 1,519 | 2,964 | 3,895 | 5,249 | | |
| alifornia | 17,155 | 15,772 | 16,348 | 17,358 | 21,723 | 23,098 | | |
| olorado | 2,406 | 3,052 | 4,424 | 6,977 | 8,873 | 10,325 | | |
| onnecticut | 1,969 | 1,747 | 2,255 | 3,535 | 4,851 | 5,480 | | |
| elaware | 202 | 245 | 365 | 691 | 885 | 1,181 | | |
| istrict of Columbia | 878 | 824 | 1,233 | 1,925 | 1,551 | 1,942 | | |
| orida | 2,836 | 3,029 | 3,336 | 3,918 | 4,167 | 4,272 | | |
| oorgia | 2,737 | 2,508 | 2 207 | 5,425 | 7,564 | 8,514 | | |
| eorgia | | , | 3,297 | | | , | | |
| awaii | 176 | 176 | 172 | 190 | 184 | 192 | | |
| aho | 346 | 477 | 710 | 996 | 1,359 | 1,783 | | |
| nois | 5,426 | 5,695 | 9,659 | 17,937 | 27,306 | 33,140 | | |
| diana | 2,111 | 2,464 | 4,195 | 7,791 | 11,697 | 13,698 | | |
| wa | 1,212 | 1,664 | 2,734 | 4,783 | 7,103 | 8,342 | | |
| ansas | 3,341 | 1,916 | 3,017 | 4,820 | 6,592 | 7,823 | | |
| entucky | 1,033 | 1,057 | 1,509 | 3,305 | 5,586 | 6,319 | | |
| puisiana | 1,268 | 1,477 | 1,618 | 2,384 | 3,016 | 3,848 | | |
| aine | 74 | 82 | 132 | 208 | 356 | 386 | | |
| aryland | 1,608 | 1,816 | 2,672 | 3,766 | 5,476 | 6,515 | | |
| assachusetts | 3,751 | 4,176 | 6,555 | 8,955 | 11,148 | 12,641 | | |
| | | | | | | | | |
| ichigan | 5,673 | 6,343 | 12,272 | 19,664 | 27,914 | 30,447 | | |
| innesotaississippi | 2,377 1,156 | 3,072 1,069 | 5,383 1,256 | 8,798 1,987 | 12,931 2,558 | 13,918 3,345 | | |
| | , | | | | | | | |
| issouri | 2,289 | 2,380 | 3,563 | 6,625 | 9,501 | 11,673 | | |
| ontana | 386 | 509 | 862 | 1,332 | 1,763 | 2,281 | | |
| ebraska | 3,544 | 1,460 | 1,995 | 3,099 | 4,257 | 4,846 | | |
| evada | 1,145 | 1,286 | 1,454 | 1,811 | 2,268 | 2,309 | | |
| ew Hampshire | 180 | 244 | 402 | 661 | 972 | 1,129 | | |
| ew Jersey | 5,807 | 6,280 | 8,824 | 14,789 | 18,891 | 22,251 | | |
| ew Mexico | 1,429 | 1,592 | 1.410 | 2.433 | 2,509 | 3,291 | | |
| ew York | NA | NA | NA | NA | NA | NA NA | | |
| orth Carolina | 1,415 | 1,586 | 1,970 | 3,760 | 4,851 | 6,421 | | |
| orth Dakota | 271 | 348 | 677 | 1,142 | 1,713 | 1,769 | | |
| | 4.500 | 7.004 | 0.000 | 40.000 | 00.050 | 00.700 | | |
| hio | 4,569 | 7,661 | 8,960 | 16,833 | 26,650 | 29,732 | | |
| klahoma | 1,798 | 1,770 | 2,222 | 4,413 | 5,595 | 7,923 | | |
| regon | 967 | 1,304 | 1,786 | 2,059 | 2,900 | 3,907 | | |
| ennsylvania | 4,348 | 5,199 | 7,729 | 13,276 | 20,748 | 23,162 | | |
| node Island | 421 | 446 | 757 | 1,251 | 1,606 | 1,919 | | |
| outh Carolina | 940 | 997 | 1,154 | 1,884 | 2,190 | 2,782 | | |
| outh Dakota | 288 | 385 | 619 | 1,059 | 1,487 | 1,685 | | |
| ennessee | 1,962 | 2,145 | 2,682 | 5,317 | 7,255 | 9,287 | | |
| exas | 12,459 | 12,257 | 14,205 | 17,134 | 20,685 | 17,619 | | |
| ah | 904 | 892 | 1,356 | 2,479 | 3,129 | 4,604 | | |
| ermont | 67 | 97 | 153 | 279 | 381 | 445 | | |
| | | | | | | | | |
| rginia | 2,517 | 2,928 | 3,465 | 5,137 | 7,357 | 8,172 | | |
| ashington | 1,857 | 2,672 | 3,434 | 4,147 | 5,450 | 6,833 | | |
| est Virginia | 1,317 | 1,062 | 1,511 | 2,457 | 3,393 | 3,959 | | |
| isconsin | 2,037 | 2,796 | 5,017 | 8,140 | 12,243 | 13,981 | | |
| /yoming | 197 | 342 | 712 | 925 | 1,030 | 1,203 | | |
| Гotal | 125,522 | 133,356 | 182,859 | 283,635 | 387,264 | 442,962 | | |

R = Revised Data.

NA = Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Deliveries for total year 1996 may not equal the sum of the twelve months. Gas volumes delivered for use as vehicle fuel are included in the annual total but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 16. Natural Gas Deliveries to Industrial Consumers, by State, 1995-1997 (Million Cubic Feet)

| C1-1- | YTD | YTD | YTD | | 1997 | |
|---------------------|-----------|---------------|-----------|-----------|----------------------|----------------------|
| State | 1997 | 1996 | 1995 | September | August | July |
| | | | | | | |
| Nabama | 152,302 | 149,349 | 152,275 | 16,150 | 16,827 | 16,848 |
| Alaska | 55,103 | 55,711 | 52,137 | 4,233 | 6,395 | 5,968 |
| rizona | 19,751 | 19,644 | 20,871 | 2,582 | 2,375 | 2,246 |
| rkansas | 108,623 | 104,569 | 102,685 | 11,035 | 11,994 | 11,785 |
| alifornia | 545,590 | 515,614 | 514,992 | 65,816 | 67,815 | 65,810 |
| olorado | 61,948 | 63,400 | 57,691 | NA | NA | NA |
| onnecticut | 25,613 | 22,944 | 24,381 | 2,362 | 2,550 | 2,440 |
| elaware | 10,731 | 10,498 | 14,760 | 1,107 | 1,017 | 1,106 |
| istrict of Columbia | 0 | 0 | 0 | 0 | 0 | 0 |
| lorida | 107,602 | 102,976 | 96,510 | NA O | 11,529 | 12,164 |
| oorgio | 122.002 | 124 417 | 122 142 | 12.055 | 12 575 | 12 074 |
| eorgia | 132,903 | 134,417 | 133,142 | 12,855 | 13,575 | 12,874 |
| awaii | 0 | 0 | 0 | O NA | 0 | 0 |
| laho ^a | 25,237 | 25,916 | 24,842 | | 2,371 | 2,723 |
| inois | 233,385 | 231,135 NA | 228,316 | 22,004 | 20,706 | 22,431 |
| ndiana | 203,800 | NA. | 202,833 | 21,152 | 20,475 | 19,853 |
| wa | 80,659 | 82,402 | 82,871 | 8,468 | 8,680 | 7,768 |
| ansas | 81,836 | 83,711 | 97,457 | 7,321 | 7,997 | 11,606 |
| entucky | 70,653 | 68,575 | 66,313 | 7,052 | 7,079 | 6,526 |
| ouisiana | 731,379 | 783,026 | 787,933 | NA | 84,275 | ŇA |
| laine | 1,769 | 1,545 | 1,383 | 208 | 191 | 178 |
| laryland | 43,069 | 36,889 | 37,281 | 4,427 | ^R 5,019 | R4,767 |
| assachusetts | 83,129 | 72,701 | 81,459 | 7,625 | 8,946 | 8,930 |
| lichigan | 242,658 | 259,173 | 241,444 | 23,655 | 23,705 | 16,029 |
| linnesota | 74,195 | 72.676 | 77,463 | 7,183 | 7,771 | 6,780 |
| lississippi | 56,724 | 60,514 | 63,191 | NA NA | NA NA | NA |
| Manager 1 | E4 7E0 | 50,000 | 50.405 | 4.000 | 4.000 | 4 400 |
| lissouri | 51,758 | 53,903 | 50,185 | 4,322 | 4,338 | 4,492 |
| lontana | 12,596 | 12,896 | 12,916 | 1,290 | 1,253 | 1,093 |
| ebraska | 22,428 | 26,009 | 34,417 | 2,050 | 2,524 | 986 |
| evada | 23,382 | 24,494 | 22,955 | 2,654 | 2,675 | 2,517 |
| ew Hampshire | 4,676 | 3,512 | 3,392 | NA | 451 | 422 |
| ew Jersey | 152,883 | 141,123 | 156,047 | 16,219 | 17,715 | 16,450 |
| ew Mexico | 18,806 | 17,010 | 15,538 | 1,982 | 1,957 | 2,097 |
| ew York | 246,010 | 239,034 | 205,077 | 26,560 | NA | NA |
| orth Carolina | 86,718 | 74,380 | 79,438 | 9,017 | 9,696 | 9,102 |
| orth Dakota | 8,388 | 5,347 | 4,728 | 754 | 817 | 473 |
| hio | 247,074 | 256,365 | 243,449 | 24,750 | 24,078 | 22,725 |
| klahoma | 158,046 | 149,199 | 146,340 | 16,687 | 17,620 | 16,618 |
| regon | 63,208 | 62,073 | 50,491 | 8,041 | 8,313 | 7,289 |
| ennsylvania | 174,440 | 180,518 | 184,211 | 16,783 | 17,206 | 15,131 |
| hode Island | 18,634 | 160,516 NA | 25,910 | 1,440 | 1,491 | 2,159 |
| | 00.400 | 60.040 | | | 44.070 | |
| outh Carolina | 88,488 | 69,312 NA | 74,852 | 8,883 | 11,873 | 15,542 |
| outh Dakota | 5,311 | | 4,960 | 470 | 499 | 322 |
| ennessee | 110,040 | 91,214 | 93,159 | 13,313 | 13,153 | 10,831 |
| exas | 1,528,044 | NA | 1,412,624 | NA | 172,857 | 166,725 |
| tah | 31,430 | 31,264 | 31,794 | 2,497 | 3,369 | 3,482 |
| ermont | 1,652 | 1,377 | 1,502 | 176 | 157 | 144 |
| irginia | 64,436 | 61,021 | 73,234 | 6,951 | 8,927 | 8,064 |
| /ashington | 82,446 | 82,958 | 80,875 | ŇA | ŇA | ŇA |
| est Virginia | 38,002 | 36,826 | 38,253 | 4,032 | 4,106 | 3,991 |
| isconsin | 113,865 | 107,425 | 104,181 | 10,184 | 10,528 | 10,056 |
| /yoming | 34,231 | ŇÁ | NA | NA | R3,672 | R3,234 |
| Total | 6,535,654 | 6,562,330 | 6,347,907 | 686,888 | ^R 718,230 | ^R 691,405 |

Table 16. Natural Gas Deliveries to Industrial Consumers, by State, 1995-1997

| 04-4- | | | 1 | 997 | | |
|------------------------|----------------------|------------------------------|----------------------|------------------------------|------------------------------|------------------------------|
| State | June | Мау | April | March | February | January |
| lahama | 16,253 | 17,284 | 10 100 | 16,885 | 16,341 | 17,534 |
| labamalaska | 5,915 | 5,619 | 18,182 6,443 | 6,993 | 6,448 | 7,090 |
| | | | | | | |
| rizona | 2,170 | 2,332 | 1,989 | 2,071 | 1,944 | 2,041 |
| rkansas | 11,598 | 11,903 | 12,008 | 12,361 | 12,195 | 13,744 |
| alifornia | 58,874 | 58,119 | 57,480 | 57,065 | 55,756 | 58,855 |
| olorado | NA | NA | 6,831 | NA | NA | NA |
| onnecticut | 2,441 | 2,870 | 3,308 | 3,521 | 3,031 | 3,088 |
| elaware | 1,156 | 1,308 | 1,354 | 1,249 | 1,192 | 1,243 |
| istrict of Columbia | 0 | 0 | 0 | 0 | 0 | 0 |
| orida | 11,539 | 12,515 | 12,365 | 11,905 | 11,527 | 12,521 |
| oorgio | 12,448 | 16 000 | 16 740 | 16 152 | 16 205 | 15.044 |
| eorgia | , | 16,828 | 16,740 | 16,153 | 16,385 | 15,044 |
| awaii | 0 | 0 | 0 | 0 | 0 | 0 |
| aho a | 2,724 | 2,673 | 3,180 | 3,200 | 2,802 | 3,166 |
| inois | 22,272 | 25,139 | 26,550 | 29,761 | 31,673 | 32,850 |
| diana | 17,289 | 19,839 | 23,608 | 26,703 | 25,597 | 29,284 |
| wa | 7,823 | 8,516 | 9,081 | 9,800 | 9,785 | 10,738 |
| ansas | 8,283 | 8,904 | 8,519 | 9,297 | 8,058 | 11,851 |
| entucky | 6,669 | 7,704 | 7,769 | 8,408 | 8,964 | 10,483 |
| ouisiana | 81,658 | 82,682 | 81,401 | 76,376 | NA | 83,077 |
| aine | 197 | 226 | 247 | 182 | 162 | 180 |
| | _ | _ | | _ | _ | |
| aryland | ^R 5,126 | ^R 4,734 | ^R 4,495 | ^R 5,528 | ^R 4,661 | ^R 4,312 |
| assachusetts | 10,487 | 8,389 | 10,392 | 10,520 | 10,375 | 7,465 |
| ichigan | 25,327 | 27,343 | 27,854 | 32,629 | 32,134 | 33,982 |
| innesota | 7,681 | 7,566 | 8,338 | 9,333 | 10,082 | 9,463 |
| ississippi | 6,054 | 5,804 | 6,535 | 6,721 | 6,686 | 7,337 |
| issouri | 4,810 | 4,987 | 7,149 | 5,099 | 9,463 | 7,097 |
| ontana | 1,176 | 1,365 | 1,178 | 1,695 | 1,634 | 1,913 |
| | , | | , | , | , | , |
| ebraska | 2,116 | 2,465 | 3,051 | 3,167 | 3,090 | 2,979 |
| evadaew Hampshire | 2,519 434 | 2,791 905 | 2,424 632 | 2,665 570 | 2,462 411 | 2,675 411 |
| ew Hampshire | 434 | 303 | 032 | 370 | 711 | 711 |
| ew Jersey | 15,822 | 16,773 | 16,587 | 18,406 | 15,694 | 19,217 |
| ew Mexico | 2,041 | 2,123 | 1,935 | 1,944 | 2,119 | 2,608 |
| ew York | NA | NA | NA | NA | NA | NA |
| orth Carolina | 9,195 | 9,687 | 10,561 | 10,341 | 9,950 | 9,168 |
| orth Dakota | 707 | 911 | 867 | 1,574 | 1,253 | 1,033 |
| nio | 22,461 | 26,644 | 27,049 | 30,688 | 32,631 | 36,048 |
| klahoma | 17,536 | 17,339 | 17,335 | 17,207 | 18,790 | 18,914 |
| | , | | | , | , | 8,402 |
| regon | 5,557 | 6,033 | 6,322 | 6,726 | 6,525 | |
| ennsylvaniahode Island | 16,359 2,265 | 18,780 2,401 | 21,556 2,514 | 22,001 2,241 | 23,241 1,993 | 23,384 2,131 |
| iodo iolaria | 2,200 | 2,701 | 2,014 | ۷,471 | 1,333 | ۷,۱۵۱ |
| outh Carolina | 8,451 | 9,122 | 9,260 | 9,152 | 8,054 | 8,152 |
| outh Dakota | 492 NA | 531 | 624 | 705 | 792 | 877 |
| ennessee | | 11,767 | 12,548 | NA | 12,789 | 11,698 |
| exas | 165,999 | 166,759 | 164,032 | 182,742 | 160,683 | 187,054 |
| ah | 3,408 | 3,633 | 3,757 | 3,777 | 3,698 | 3,809 |
| ermont | 146 | 218 | 200 | 234 | 197 | 181 |
| rginia | 5,864 | 7,452 | 6,449 | 4,162 | 8,056 | 8,513 |
| . - | | 8,513 | | | 9,170 | 9,112 |
| ashington | 8,005 | | 8,189 | 9,259 | | |
| est Virginia | 3,905 NA | 4,439 | 6,731 NA | 2,577 | 3,836 | 4,386 |
| /isconsin/yoming | R3,858 | 11,889 ^R 4,125 | R3,864 | 15,238 ^R 3,795 | 14,667 ^R 3,792 | 17,601 ^R 5,060 |
| youmig | 3,030 | 7,123 | 3,004 | 3,133 | 5,132 | 5,000 |
| Total | ^R 680,290 | ^R 713,368 | ^R 730,795 | R763,971 | ^R 746,663 | R804,045 |

Table 16. Natural Gas Deliveries to Industrial Consumers, by State, 1995-1997

| State | 1996 | | | | | | | | |
|----------------------|-------------------|----------------|-----------------|----------------|----------------|----------------|--|--|--|
| State | Total | December | November | October | September | August | | | |
| lahama | 201 414 | 17,016 | 16,951 | 18,097 | 16,712 | 15,966 | | | |
| labama | 201,414 75,616 | | | | , | , | | | |
| laska | | 7,034 | 6,450 | 6,421 | 6,288 | 6,961 | | | |
| rizona | 26,979 | 2,536 | 2,436 | 2,363 | 2,246 | 2,125 | | | |
| rkansas | 141,300 | 12,552 | 12,171 | 12,008 | 10,821 | 11,492 | | | |
| alifornia | 693,539 | 61,618 | 59,107 | 57,199 | 57,688 | 62,705 | | | |
| olorado | 83,640 | 7,861 | 7,271 | 5,109 | 6,270 | 7,792 | | | |
| onnecticut | 32,451 | 3,013 | 3,386 | 3,108 | 2,589 | 2,561 | | | |
| elaware | 14,164 | 1,148 | 1,180 | 1,338 | 1,138 | 1,116 | | | |
| istrict of Columbia | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| lorida | 136,722 | 11,160 | 11,655 | 10,931 | 11,324 | 11,135 | | | |
| eorgia | 181,768 | 15,926 | 15,856 | 15,569 | 15,136 | 15,887 | | | |
| awaii | 0 | 13,920 | 0 | 0 | 0 | 13,007 | | | |
| | | | 2,747 | 3,023 | 2,802 | 2,409 | | | |
| laho ^a | 34,577 | 2,891 | | , | | | | | |
| linois | 322,275 | 35,802 | 30,672 | 24,666 | 19,734 | 20,575 | | | |
| idiana | 289,219 | 25,886 | 24,549 | 23,056 | 20,528 | 19,795 | | | |
| wa | 113,995 | 10,955 | 11,178 | 9,460 | 7,445 | 8,696 | | | |
| ansas | 110,294 | 9,372 | 9,897 | 7,314 | 8,141 | 9,817 | | | |
| entucky | 94,481 | 9,646 | 8,705 | 7,555 | 6,589 | 6,259 | | | |
| ouisiana | 1,048,432 | 86,865 | NA | NA | 87,576 | 87,989 | | | |
| laine | 2,190 | 171 | 234 | 239 | 185 | 177 | | | |
| aryland | 50,022 | 4,956 | 3,981 | 4,196 | 4,055 | 4,335 | | | |
| lassachusetts | 100,015 | 9,252 | 8,643 | 9,419 | 8,119 | 9,040 | | | |
| | | | , | , | , | | | | |
| lichigan | 347,043 | 32,754 | 29,990 | 25,126 | 24,187 | 23,728 | | | |
| linnesotalississippi | 102,471 80,887 | 9,903 6,503 | 10,656 6,507 | 9,236 7,363 | 7,719 6,432 | 7,451 6,200 | | | |
| | , | | , | | , | | | | |
| lissouri | 71,533 | 6,510 | 6,157 | 4,963 | 4,540 | 5,883 | | | |
| Iontana | 18,103 | 1,985 | 1,668 | 1,554 | 1,382 | 1,429 | | | |
| ebraska | 36,125 | 3,689 | 3,179 | 3,248 | 2,452 | 2,467 | | | |
| evada | 32,606 | 2,859 | 2,705 | 2,548 | 2,728 | 2,787 | | | |
| ew Hampshire | 4,916 | 404 | 529 | 471 | 392 | 393 | | | |
| ew Jersey | 200,933 | 27,230 | 17,727 | 14,853 | 14,574 | 11,728 | | | |
| ew Mexico | 22,858 | 2,173 | 1,875 | 1,799 | 1,751 | 1,774 | | | |
| ew York | 322,661 | 31,374 | 26,765 | 25,488 | 25,312 | 26,927 | | | |
| | , | | | | | | | | |
| orth Carolina | 104,124 | 9,413 | 9,964 | 10,368 | 8,412 | 8,358 | | | |
| orth Dakota | 7,911 | 924 | 955 | 685 | 552 | 425 | | | |
| hio | 347,149 | 33,111 | 30,242 | 27,432 | 22,996 | 23,427 | | | |
| klahoma | 201,024 | 19,194 | 15,941 | 16,689 | 16,741 | 17,073 | | | |
|)regon | 87,754 | 8,498 | 8,526 | 8,657 | 7,954 | 7,886 | | | |
| ennsylvania | 243,499 | 21,089 | 22,617 | 19,275 | 17.697 | 18,213 | | | |
| hode Island | 25,829 | 2,553 | 2,992 | 3,189 | 2,921 | 2,998 | | | |
| outh Carolina | 95,493 | 8,646 | 8,699 | 8,836 | 7,982 | 8,162 | | | |
| outh Dakota | | , | | | , | , | | | |
| | 7,182 | 715 | 694 | 523 | 427 | 471 | | | |
| ennessee | 126,545 | 12,264 | 12,388 | 10,679 | 10,240 | 9,810 | | | |
| exas | 2,138,155 | 181,384 | 171,353 | 181,999 | 186,067 | 171,985 | | | |
| tah | 42,213 | 3,693 | 3,663 | 3,592 | 3,436 | 3,374 | | | |
| ermont | 1,953 | 191 | 211 | 174 | 151 | 155 | | | |
| irginia | 84,357 | 9,782 | 7,474 | 6,080 | 5,162 | 7,113 | | | |
| /ashington | 114,236 | 9,758 | 10,859 | 10,660 | 10,161 | 9,892 | | | |
| /est Virginia | 49,997 | 4,443 | 4,418 | 4,310 | 4,596 | 3,932 | | | |
| /isconsin | 149,517 | 15,456 | 14,652 | 11,984 | 9,773 | 9,274 | | | |
| /yoming | 50,253 | 4,647 | 4,741 | 4,678 | 3,699 | 3,851 | | | |
| | | | | | | | | | |

Table 16. Natural Gas Deliveries to Industrial Consumers, by State, 1995-1997

| State | 1996 | | | | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--|--|--|
| State | July | June | Мау | April | March | February | | | |
| lah awa | 40.004 | 45.500 | 40.007 | 40.007 | 47.004 | 40.040 | | | |
| labama | 16,304 | 15,508 | 16,367 | 16,867 | 17,001 | 16,916 | | | |
| aska | 6,577 | 6,268 | 5,808 | 6,123 | 6,764 | 6,115 | | | |
| rizona | 2,175 | 2,126 | 1,640 | 2,330 | 2,403 | 2,150 | | | |
| kansas | 11,423 | 11,344 | 10,729 | 11,412 | 12,152 | 12,114 | | | |
| alifornia | 58,086 | 52,431 | 58,146 | 56,490 | 53,746 | 56,969 | | | |
| olorado | 7,657 | 5,366 | 5,700 | 7,856 | 7,559 | 9,380 | | | |
| onnecticut | 2,311 | 2,438 | 2,423 | 2,778 | 2,989 | 2,731 | | | |
| elaware | 1,122 | 1,303 | 1,206 | 1,046 | 1,314 | 1,082 | | | |
| strict of Columbia | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| orida | 11,167 | 10,635 | 12,532 | 11,288 | 11,402 | 10,691 | | | |
| eorgia | 13,599 | 14,461 | 15,625 | 15,871 | 15,818 | 12,677 | | | |
| awaii | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| aho ^a | 2,697 | 2,699 | 2,850 | 2,856 | 3,207 | 3,062 | | | |
| inois | 18,553 | 20,876 | 24,750 | 26,670 | 31,101 | 31,953 | | | |
| diana | 20,302 | 42,381 | 8,491 | 23,219 | 26,554 | 25,931 | | | |
| wa | 8,238 | 8,322 | 9,074 | 9,594 | 10,302 | 9,621 | | | |
| ansas | 9,579 | 9,392 | 8,177 | 9,070 | 9,649 | 9,534 | | | |
| entucky | 6,006 | 8,486 | 6,325 | 7,365 | 8,704 | 8,459 | | | |
| ouisiana | 87,008 | 90,218 | 87,124 | 86.136 | 89,479 | 81,114 | | | |
| aine | 144 | 186 | 181 | 155 | 182 | 164 | | | |
| aryland | 4,202 | 3,918 | 4.016 | 4.940 | 4,643 | 3,226 | | | |
| assachusetts | 7,437 | 7,365 | 6,897 | 8,263 | 8,737 | 7,953 | | | |
| ichigan | 24,101 | 25,308 | 27,715 | 30,370 | 34,729 | 34,973 | | | |
| innesota | 7,596 | 7,500 | 7,602 | 8,293 | 8,985 | 8,237 | | | |
| ississippi | 6,446 | 6,233 | 6,383 | 6,796 | 7,165 | 6,956 | | | |
| issouri | 4.219 | 4,744 | 5.645 | 6,518 | 7.064 | 7,267 | | | |
| lontana | 1,267 | 1,215 | 1,331 | 1,356 | 1,484 | 1,563 | | | |
| ebraska | 2,479 | 2,616 | 2,652 | 3,106 | 3,337 | 3,246 | | | |
| evada | 2,862 | 2,723 | 2,873 | 2,538 | 2,664 | 2,557 | | | |
| ew Hampshire | 371 | 378 | 434 | 434 | 418 | 335 | | | |
| ow Jorgov | 16,131 | 14,290 | 16,050 | 17,290 | 16,918 | 16,031 | | | |
| ew Jerseyew Mexico | 1,801 | 1,855 | 1,630 | 1.967 | 1.792 | 2,177 | | | |
| ew York | 25,513 | 25,268 | 23,861 | 26,802 | 27,499 | 27,182 | | | |
| | , | , | , | , | | , | | | |
| orth Carolinaorth Dakota | 8,237 401 | 8,249 530 | 8,608 668 | 9,026 719 | 9,179 748 | 6,639 637 | | | |
| Jili Dakota | 401 | 330 | 000 | 719 | 740 | 037 | | | |
| hio | 22,090 | 28,997 | 26,200 | 28,656 | 31,419 | 34,042 | | | |
| klahoma | 16,822 | 14,616 | 15,859 | 14,961 | 17,627 | 16,698 | | | |
| regon | 7,326 | 6,794 | 6,702 | 5,968 | 6,373 | 6,161 | | | |
| ennsylvania | 16,820 | 18,056 | 19,705 | 20,625 | 23,261 | 22,078 | | | |
| node Island | 1,684 | 2,159 | 2,128 | 1,975 | 485 | 354 | | | |
| outh Carolina | 7,955 | 7,868 | 8,550 | 8,454 | 7,781 | 6,388 | | | |
| outh Dakota | 461 | 456 | 473 | 497 | 1,223 | 688 | | | |
| ennessee | 9,723 | 9,956 | 9,308 | 9,854 | 10,161 | 10,267 | | | |
| exas | 163,216 | 172,584 | 180,659 | 179,407 | 191,706 | 176,010 | | | |
| ah | 3,253 | 3,162 | 3,364 | 3,424 | 3,625 | 3,709 | | | |
| ermont | 107 | 154 | 178 | 135 | 226 | 150 | | | |
| irginia | 6,792 | 4,243 | 7,255 | 6,290 | 9,169 | 7,248 | | | |
| ashington | 8,911 | 7,653 | 8,599 | 8,797 | 9,097 | 9,801 | | | |
| est Virginia | 3,912 | 3,706 | 3,925 | 3,953 | 4,340 | 4,065 | | | |
| isconsin | 8,609 | 8,845 | 10,786 | 12,912 | 15,305 | 14,831 | | | |
| /yoming | 3,568 | 4,082 | 3,988 | 4,135 | 3,974 | 4,931 | | | |
| | | 709,964 | 701,193 | | 781,460 | 747,065 | | | |

^a Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components.

Deliveries for total year 1995 in Idaho do not equal the sum of the twelve months.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

R = Revised Data.
NA = Not Available.

Table 17. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1995-1997

(Million Cubic Feet)

| State | YTD | YTD | YTD | 1997 | | | |
|---------------------|---------|---------|---------|-----------|---------|---------|--|
| State | 1997 | 1996 | 1995 | September | August | July | |
| | 0.770 | 4.004 | 0.704 | 4.047 | 0.070 | 0.004 | |
| labama | 8,770 | 4,991 | 6,784 | 1,247 | 2,373 | 2,901 | |
| llaska | 25,129 | 23,369 | 22,495 | 2,295 | 2,439 | 2,730 | |
| rizona | 20,695 | 16,267 | 17,459 | 5,105 | 4,809 | 4,118 | |
| rkansas | 22,123 | 32,264 | 29,256 | 3,419 | 5,336 | 7,586 | |
| alifornia | 294,165 | 245,499 | 305,573 | 56,542 | 48,250 | 43,994 | |
| olorado | 4,095 | 4,232 | 2,967 | 672 | 721 | 710 | |
| onnecticut | 12,524 | 7,770 | 17,339 | 1,725 | 2,303 | 2,416 | |
| elaware | 14,359 | 17,862 | 20,212 | 667 | 1,592 | 2,003 | |
| istrict of Columbia | 0 | 0 | 0 | 0 | 0 | (| |
| lorida | 237,718 | 223,848 | 245,455 | 26,634 | 33,367 | 33,080 | |
| eorgia | 6,855 | 4,542 | 7,571 | 1,158 | 2,197 | 2,592 | |
| awaii | 0 | 0 | 0 | 0 | 0 | (| |
| daho | 0 | 0 | 0 | 0 | 0 | (| |
| linois | 32,249 | 22,409 | 31,689 | 2,400 | 3,847 | 8,073 | |
| ndiana | 4,027 | 3,694 | 6,809 | 243 | 480 | 1,690 | |
| owa | 3,394 | 2,811 | 3,125 | 247 | 393 | 887 | |
| ansas | 18,532 | 20,550 | 25,175 | 2,092 | 3,457 | 6,295 | |
| entucky | 1,647 | 1,585 | 542 | 181 | 311 | 525 | |
| ouisiana | 223,854 | 205,383 | 258,291 | 30,524 | 34,549 | 39,943 | |
| laine | 0 | 0 | 0 | 0 | 0 | (| |
| laryland | 9,687 | 7,495 | 17,625 | 623 | 1,051 | 3,382 | |
| lassachusetts | 42,620 | 31,747 | 53,802 | 4,783 | 5,577 | 6,018 | |
| lichigan | 24,083 | 23,815 | 26,507 | 2,944 | 2,874 | 3,708 | |
| 1innesota | 5,484 | 4,010 | 7,019 | 290 | 671 | 1,139 | |
| lississippi | 59,032 | 67,626 | 93,247 | 8,117 | 11,936 | 14,015 | |
| lissouri | 6,303 | 4,722 | 11,679 | 754 | 1,220 | 2,812 | |
| Montana | 329 | 271 | 314 | 27 | 46 | 116 | |
| lebraska | 2,225 | 2,052 | 2,278 | 267 | 370 | 892 | |
| levada | 41,971 | 37,731 | 31,848 | 6,211 | 7,832 | 7,265 | |
| lew Hampshire | 504 | 2 | 2,237 | 60 | 77 | 12 | |
| ew Jersey | 25,562 | 22,861 | 38,991 | 1,349 | 4,239 | 8,152 | |
| ew Mexico | 25,933 | 22,515 | 26,140 | 2,834 | 4,338 | 4,026 | |
| ew York | 168,396 | 112,406 | 201,284 | 19,107 | 28,874 | 34,220 | |
| orth Carolina | 3,977 | 2,266 | 2,771 | 433 | 747 | 1,889 | |
| orth Dakota | 1 | 3 | 1 | 0 | 0 | 1 | |
| hio | 2,699 | 2,446 | 6,562 | 266 | 301 | 1,065 | |
| klahoma | 99,613 | 112,867 | 128.600 | 14,088 | 20,598 | 20,971 | |
| regon | 6,710 | 9,342 | 14,042 | 2,758 | 2,950 | 357 | |
| ennsylvania | 6,495 | 5,653 | 22,522 | 418 | 923 | 2,725 | |
| hode Island | 19,569 | 18,031 | 944 | 2,365 | 2,424 | 2,005 | |
| outh Carolina | 2,344 | 1,147 | 5,530 | 212 | 422 | 922 | |
| outh Dakota | 1,513 | 605 | 838 | 88 | 228 | 582 | |
| ennessee | 1,427 | 571 | 2,055 | 0 | 328 | 844 | |
| exas | 823,855 | 853,351 | 855,019 | 126,080 | 141,938 | 144,610 | |
| tah | 3,087 | 3,024 | 7,202 | 784 | 934 | 709 | |
| ermont | 26 | 15 | 75 | 2 | 4 | 4 | |
| irginia | 8,859 | 9,276 | 13,253 | 545 | 1,378 | 2,371 | |
| /ashington | 2,047 | 5,410 | 4,942 | 1,191 | 731 | 25 | |
| est Virginia | 188 | 158 | 302 | 15 | 9 | 23 | |
| /isconsin | 14,233 | 5,226 | 7,970 | 700 | 899 | 2,180 | |
| /yoming | 59 | 68 | 102 | 5 | 3 | 2,100 | |
| | | | | | | 426,594 | |

Table 17. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1995-1997

| State | 1997 | | | | | | | | | |
|---------------------|--------------|------------|------------|--------------|----------------|------------|--|--|--|--|
| State | June | Мау | April | March | February | January | | | | |
| labama | 931 | 483 | 386 | 168 | 156 | 125 | | | | |
| laska | 2,580 | 2,903 | 2,924 | 3,594 | 2,439 | 3,220 | | | | |
| | , | , | | , | , | | | | | |
| rizona | 1,932 | 2,742 | 723 | 588 | 358 | 319 | | | | |
| rkansas | 3,488 | 583 | 614 | 253 | 217 | 626 | | | | |
| alifornia | 26,546 | 37,243 | 25,412 | 24,423 | 14,231 | 17,524 | | | | |
| olorado | 340 | 397 | 267 | 328 | 261 | 398 | | | | |
| onnecticut | 1,366 | 1,141 | 1,229 | 944 | 1,208 | 192 | | | | |
| elaware | 1,097 | 1,064 | 1,841 | 2,280 | 2,069 | 1,746 | | | | |
| istrict of Columbia | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| lorida | 31,138 | 29,415 | 27,872 | 28,725 | 17,001 | 10,485 | | | | |
| eorgia | 439 | 203 | 176 | 30 | 18 | 42 | | | | |
| awaii | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| laho | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| linois | 4,639 | 2,931 | 4,976 | 2,503 | 1,679 | 1,201 | | | | |
| irioisidiana | 4,639 721 | 2,931 | 200 | 2,503 199 | 1,679 | 1,201 | | | | |
| NA C | 116 | 206 | 260 | 405 | 224 | 264 | | | | |
| wa | 416 | 286 | 269 | 405 | 231 | 261 | | | | |
| ansas | 3,113 | 1,226 | 840 | 553 | 409 | 547 | | | | |
| entucky | 170 | 21 | 117 | 130 | 80 | 111 | | | | |
| ouisiana | 29,948 | 25,570 | 19,113 | 15,854 | 13,608 | 14,747 | | | | |
| aine | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| aryland | 1,857 | 726 | 1,478 | 337 | 47 | 185 | | | | |
| assachusetts | 6,206 | 3,811 | 6,611 | 5,258 | 2,785 | 1,570 | | | | |
| lichigan | 2,776 | 2,772 | 2,282 | 2,434 | 2,375 | 1,916 | | | | |
| linnesota | 687 | 596 | 621 | 698 | 124 | 658 | | | | |
| ississippi | 8,386 | 4,689 | 3,034 | 2,932 | 2,717 | 3,207 | | | | |
| lissouri | 1,029 | 96 | 175 | 78 | 53 | 86 | | | | |
| Iontana | 8 | 7 | 15 | 18 | 27 | 64 | | | | |
| ebraska | 221 | 110 | 174 | 82 | 78 | 31 | | | | |
| | | | | | | | | | | |
| evadaew Hampshire | 5,272 353 | 5,220 0 | 3,518 0 | 3,822 0 | 1,363 0 | 1,468 0 | | | | |
| ow Hamponilo | | | | | - | | | | | |
| ew Jersey | 4,613 | 1,480 | 1,869 | 2,092 | 1,023 | 746 | | | | |
| lew Mexico | 2,923 | 2,445 | 2,548 | 2,769 | 1,991 | 2,059 | | | | |
| ew York | 27,370 | 16,444 | 11,135 | 14,307 | 12,117 | 4,823 | | | | |
| orth Carolina | 811 | 61 | 26 | 1 | ['] 9 | 0 | | | | |
| orth Dakota | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| hio | 591 | 105 | 106 | 71 | 71 | 124 | | | | |
| klahoma | 12,311 | 6.747 | 7,058 | 6.712 | 4.867 | 6,260 | | | | |
| regon | 147 | 3 | 0 | 200 | 4,007 | 295 | | | | |
| ennsylvania | 886 | 295 | 326 | 324 | 316 | 281 | | | | |
| hode Island | 2,185 | 2,447 | 1,854 | 2,180 | 2,021 | 2,088 | | | | |
| outh Carolina | 621 | 67 | 72 | 12 | 4 | 11 | | | | |
| | | | | | | | | | | |
| outh Dakota | 360 | 85 | 85 | 39 | 19 | 26 | | | | |
| ennessee | 255 | 0 | 0 | 0 | 0 | 0 | | | | |
| exas | 103,342 | 73,272 | 59,323 | 60,401 | 54,897 | 59,992 | | | | |
| ah | 22 | 126 | 123 | 134 | 118 | 138 | | | | |
| ermont | 3 | 3 | 3 | 3 | 2 | 2 | | | | |
| irginia | 1,262 | 626 | 1,398 | 1,058 | 44 | 178 | | | | |
| /ashington | 1 | 86 | 5 | 0 | 2 | 6 | | | | |
| est Virginia | 40 | 33 | 9 | 23 | 23 | 12 | | | | |
| /isconsin | 1,695 | 1,861 | 1,777 | 2,165 | 1,782 | 1,174 | | | | |
| /yoming | 13 | 6 | 6 | 6 | 7 | 9 | | | | |
| | | | | | | | | | | |

Table 17. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1995-1997

| State | 1996 | | | | | | | | | | |
|--------------------|------------|----------|----------|---------|--------------|---------|--|--|--|--|--|
| State | Total | December | November | October | September | August | | | | | |
| | 0.440 | 224 | 400 | 204 | 500 | 700 | | | | | |
| labama | 6,146 | 291 | 480 | 384 | 593 | 708 | | | | | |
| laska | 31,767 | 3,078 | 2,683 | 2,637 | 2,449 | 2,595 | | | | | |
| rizona | 19,248 | 443 | 296 | 2,242 | 2,145 | 4,797 | | | | | |
| rkansas | 33,988 | 1,226 | 297 | 201 | 4,215 | 5,421 | | | | | |
| alifornia | 318,035 | 17,182 | 22,900 | 32,454 | 35,564 | 53,941 | | | | | |
| olorado | 5,511 | 454 | 319 | 506 | 724 | 798 | | | | | |
| onnecticut | 10,456 | 131 | 912 | 1,643 | 2,168 | 2,269 | | | | | |
| elaware | 23,370 | 1,048 | 2,129 | 2,330 | 2,562 | 2,416 | | | | | |
| strict of Columbia | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| orida | 283,557 | 13,124 | 17,908 | 28,677 | 33,595 | 33,376 | | | | | |
| eorgia | 4,674 | 43 | 80 | 9 | 243 | 588 | | | | | |
| awaii | 4,074 | 0 | 0 | 0 | 0 | 0 | | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| aho | - | | - | - | - | - | | | | | |
| inois | 25,863 | 550 | 1,859 | 1,046 | 2,309 | 4,289 | | | | | |
| diana | 4,330 | 236 | 256 | 144 | 197 | 570 | | | | | |
| wa | 3,491 | 236 | 232 | 211 | 277 | 298 | | | | | |
| ansas | 22,607 | 672 | 578 | 808 | 1,959 | 4,148 | | | | | |
| entucky | 1,836 | 82 | 104 | 65 | 83 | 281 | | | | | |
| ouisiana | 252,139 | 12,921 | 14,958 | 18,877 | 21,484 | 32,455 | | | | | |
| aine | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| aryland | 8,455 | 211 | 263 | 485 | 1,521 | 1,920 | | | | | |
| assachusetts | 45,037 | 1,562 | 3,081 | 8,648 | 9,009 | 7,190 | | | | | |
| ichigan | 32,559 | 2,888 | 3,151 | 2,705 | 3,320 | 2,746 | | | | | |
| innesota | 5,301 | 419 | 403 | 469 | 602 | 624 | | | | | |
| ississippi | 83,251 | 3,671 | 6,561 | 5,392 | 9,812 | 12,074 | | | | | |
| issouri | 5,223 | 69 | 238 | 193 | 287 | 896 | | | | | |
| | 470 | 72 | 85 | 42 | 35 | 23 | | | | | |
| ontana | | 82 | 94 | | 161 | 213 | | | | | |
| ebraska | 2,351 | | | 122 | | | | | | | |
| evada | 46,766 | 2,311 | 2,458 | 4,266 | 4,900 | 6,394 | | | | | |
| ew Hampshire | 3 | 0 | 1 | 0 | 0 | 0 | | | | | |
| ew Jersey | 25,825 | 445 | 1,038 | 1,481 | 3,575 | 4,064 | | | | | |
| ew Mexico | 29,969 | 2,244 | 2,423 | 2,787 | 2,492 | 3,456 | | | | | |
| ew York | 142,688 | 5,108 | 10,715 | 14,459 | 21,421 | 24,086 | | | | | |
| orth Carolina | 2,381 | 1 | 1 | 112 | 75 | 196 | | | | | |
| orth Dakota | 3 | 0 | 0 | 0 | 1 | 1 | | | | | |
| nio | 2,867 | 106 | 259 | 56 | 257 | 593 | | | | | |
| klahoma | 136,436 | 6,107 | 8,068 | 9,395 | 13,201 | 19,557 | | | | | |
| regon | 14,015 | 334 | 1,289 | 3,049 | 3,801 | 3,202 | | | | | |
| ennsylvania | 7,239 | 282 | 654 | 650 | 1,150 | 1,778 | | | | | |
| hode Island | 25,071 | 2,167 | 2,449 | 2,424 | 2,236 | 2,417 | | | | | |
| outh Carolina | 1,206 | 20 | 16 | 23 | 350 | 64 | | | | | |
| outh Dakota | , | 35 | 80 | 5 | 76 | 178 | | | | | |
| | 725 572 | 0 | 1 | 0 | | | | | | | |
| ennessee | 572 | | • | | 79 00 570 | 240 | | | | | |
| exas | 1,039,155 | 51,332 | 59,062 | 75,410 | 90,570 | 119,967 | | | | | |
| ah | 3,428 | 142 | 130 | 133 | 554 | 870 | | | | | |
| ermont | 24 | 3 | 3 | 3 | 3 | 2 | | | | | |
| rginia | 10,275 | 333 | 193 | 473 | 1,677 | 1,578 | | | | | |
| ashington | 6,590 | 21 | 358 | 801 | 2,251 | 2,558 | | | | | |
| est Virginia | 205 | 43 | 3 | 1 | 26 | 15 | | | | | |
| isconsin | 7,303 | 702 | 803 | 572 | 739 | 1,198 | | | | | |
| /yoming | 87 | 6 | 6 | 7 | 8 | 9 | | | | | |
| | | | | | | | | | | | |

Table 17. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1995-1997

| 24-4- | 1996 | | | | | | | | | |
|----------------------|------------|--------------|------------|------------|------------|------------|--|--|--|--|
| State | July | June | Мау | April | March | February | | | | |
| | | | | | | | | | | |
| Alabama | 1,457 | 931 | 840 | 112 | 134 | 125 | | | | |
| Alaska | 2,514 | 2,611 | 2,592 | 2,434 | 2,763 | 2,573 | | | | |
| Arizona | 3,286 | 1,940 | 1,047 | 828 | 649 | 550 | | | | |
| Arkansas | 7,029 | 5,722 | 4,342 | 3,663 | 1,181 | 433 | | | | |
| California | 42,047 | 23,684 | 18,648 | 18,202 | 13,728 | 15,742 | | | | |
| Colorado | 665 | 400 | 584 | 246 | 317 | 305 | | | | |
| Connecticut | 1,409 | 951 | 595 | 298 | 28 | 27 | | | | |
| Delaware | 2,342 | 2,724 | 1,189 | 1,291 | 1,742 | 939 | | | | |
| District of Columbia | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Florida | 29,468 | 28,311 | 31,435 | 21,801 | 15,773 | 13,992 | | | | |
| Georgia | 1,514 | 1,010 | 1,000 | 61 | 98 | 15 | | | | |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Idaho | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Illinois | 4,369 | 4,205 | 2,562 | 2,103 | 856 | 421 | | | | |
| Indiana | 483 | 746 | 506 | 248 | 233 | 337 | | | | |
| lowa | 355 | 545 | 435 | 289 | 274 | 162 | | | | |
| Kansas | 4,884 | 4,175 | 1,661 | 728 | 726 | 701 | | | | |
| Kentucky | 249 | 235 | 236 | 139 | 119 | 56 | | | | |
| Louisiana | 35,959 | 31,317 | 26,523 | 13,556 | 15,080 | 14.146 | | | | |
| Maine | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Maryland | 1,273 | 1,278 | 980 | 220 | 126 | 69 | | | | |
| Massachusetts | 3,508 | 3,616 | 2,443 | 2,108 | 1,485 | 1,435 | | | | |
| Michigan | 2,767 | 3,062 | 2,613 | 2,011 | 2,100 | 2,214 | | | | |
| Minnesota | 690 | 699 | 273 | 342 | 351 | 200 | | | | |
| Mississippi | 10,509 | 11,998 | 8,484 | 4,734 | 3,311 | 2,838 | | | | |
| Miccouri | 1,152 | 1,011 | 802 | 184 | 111 | 134 | | | | |
| Missouri | 45 | 1,011 52 | 8 | 4 | 37 | 23 | | | | |
| Montana | 348 | | 320 | - | 139 | | | | | |
| Nebraska | | 466 4,802 | | 202 | | 80 | | | | |
| Nevada | 6,552 0 | 4,602 | 4,271 0 | 2,737 0 | 2,474 0 | 2,488 0 | | | | |
| New Hampshire | U | U | U | Ü | U | U | | | | |
| New Jersey | 4,441 | 4,207 | 1,984 | 647 | 483 | 1,291 | | | | |
| New Mexico | 3,480 | 2,895 | 3,067 | 1,997 | 2,383 | 861 | | | | |
| New York | 18,789 | 16,773 | 13,132 | 5,595 | 5,703 | 3,392 | | | | |
| North Carolina | 766 | 802 | 377 | 3 | 3 | 9 | | | | |
| North Dakota | 0 | 1 | 0 | 0 | 0 | 0 | | | | |
| Ohio | 312 | 477 | 426 | 46 | 58 | 90 | | | | |
| Oklahoma | 19,747 | 17,701 | 12,313 | 7,340 | 7,490 | 6,910 | | | | |
| Oregon | 2,339 | 0 | 0 | 0 | 0 | 0 | | | | |
| Pennsylvania | 676 | 591 | 506 | 262 | 225 | 120 | | | | |
| Rhode Island | 2,031 | 2,045 | 2,011 | 1,700 | 2,395 | 1,523 | | | | |
| South Carolina | 239 | 278 | 188 | 9 | 9 | 5 | | | | |
| South Dakota | 155 | 174 | 2 | 3 | 6 | 10 | | | | |
| Tennessee | 130 | 78 | 15 | Ö | 29 | 0 | | | | |
| Texas | 136,109 | 114,370 | 114,229 | 72,920 | 72,619 | 61,382 | | | | |
| Utah | 810 | 227 | 8 | 128 | 137 | 151 | | | | |
| Vermont | 3 | 4 | 0 | 2 | 0 | 0 | | | | |
| Virginia | 1,704 | 1,532 | 860 | 107 | 314 | 505 | | | | |
| Washington | 451 | 0 | 1 | 0 | 57 | 26 | | | | |
| West Virginia | 11 | 21 | 9 | 16 | 13 | 16 | | | | |
| Wisconsin | 532 | 772 | 696 | 229 | 353 | 271 | | | | |
| Wyoming | 4 | 17 | 5 | 5 | 8 | 5 | | | | |
| Total | 357,604 | 299,454 | 264,216 | 169,550 | 156,120 | 136,572 | | | | |

^a Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-759, "Monthly Power Plant Report."

Table 18. Natural Gas Deliveries to All Consumers, by State, 1995-1997 (Million Cubic Feet)

| Charles | YTD | YTD | YTD | 1997 | | | | |
|----------------------|-----------|-----------|--------------|---------------------|--------------------|--------------------|--|--|
| State | 1997 | 1996 | 1995 | September | August | July | | |
| | | | | | | | | |
| Alabama | 221,940 | 221,575 | 214,849 | 21,022 | 23,524 | 24,638 | | |
| Alaska | 105,834 | 109,131 | 102,773 | 8,607 | 10,360 | 10,334 | | |
| Arizona | 86,557 | 77,684 | 81,139 | 10,653 | 9,864 | 9,323 | | |
| Arkansas | 182,923 | 194,954 | 180,847 | 16,537 | 19,380 | 21,532 | | |
| California | 1,378,393 | 1,267,548 | 1,391,459 | 162,598 | 155,744 | 154,614 | | |
| Colorado | 199,775 | 199,057 | 188,263 | NA | 15,219 | 16,390 | | |
| Connecticut | 96,818 | 92,647 | 99,957 | 6,648 | 7,510 | 7,699 | | |
| Delaware | 36,767 | 41,071 | 45,680 | 2,190 | 2,970 | 3,508 | | |
| District of Columbia | 23,907 | 25,078 | 24,344 | 1,245 | 1,226 | 1,202 | | |
| Florida | 383,794 | 371,656 | 383,538 | NA NA | 48,290 | 48,608 | | |
| Caaraia | 250.750 | 272.452 | 252 207 | 20.045 | 24.244 | 24.274 | | |
| Georgia | 250,758 | 272,152 | 252,387 | 20,015 | 21,341 | 21,371 | | |
| Hawaii | 1,960 | 2,042 | 2,106 | 206 NA | 201 | 218 | | |
| Idaho | 44,206 | 44,597 | 41,577 | | 3,021 | 3,441 | | |
| Illinois | 750,316 | 767,898 | 727,068 | 42,647 | 40,598 | 46,966 | | |
| Indiana | 397,124 | 408,704 | 375,032 | 27,553 | 26,494 | 26,823 | | |
| lowa | 175,091 | 183,816 | 172,142 | 11,718 | 11,655 | 11,554 | | |
| Kansas | 189,279 | 203,756 | 210,976 | 13,128 | 14,935 | 21,720 | | |
| Kentucky | 142,029 | 146,576 | 133,872 | 9,949 | 9,434 | 9,646 | | |
| Louisiana | 1,013,077 | 1,053,487 | 1,102,950 | NA | 121,689 | 124,542 | | |
| Maine | 4,337 | 4,024 | 3,654 | 329 | 294 | 271 | | |
| Maryland | 142,458 | 140,214 | 140,505 | 9,388 | R10,095 | R12.434 | | |
| Massachusetts | 285,135 | 259,195 | 271,128 | 20,450 | 22.736 | 23,334 | | |
| Michigan | 681,603 | 718,705 | 664,110 | 41,577 | 39,732 | 26,763 | | |
| Minnesota | 237.262 | 242,481 | 230,641 | 12,899 | 13,520 | 13,121 | | |
| Mississippi | 150,877 | 168,986 | 190,800 | NA NA | 19,986 | 22,094 | | |
| N dia a a coni | 000.000 | 040.000 | 400 570 | 0.007 | 40.040 | 40.470 | | |
| Missouri | 202,886 | 212,806 | 198,578 | 9,897 | 10,016 | 12,172 | | |
| Montana | 37,298 | 38,523 | 35,787 NA | 2,248 | 2,129 | 1,983 | | |
| Nebraska | 89,429 | 92,894 | | 5,122 | R4,852 | R3,910 | | |
| Nevada | 99,892 | 93,400 | 85,203 | 10,859 NA | 12,429 | 11,767 | | |
| New Hampshire | 15,537 | 13,838 | 14,962 | NA | 901 | 811 | | |
| New Jersey | 437,900 | 439,053 | 431,616 | 28,939 | 32,427 | 35,798 | | |
| New Mexico | 86,293 | 81,631 | 78,988 | 6,667 | 8,135 | 7,921 | | |
| New York | 910,189 | 833,227 | 844,035 | ŇA | 75,891 | 82,575 | | |
| North Carolina | 155,931 | 150,837 | 144,241 | 12,136 | 12,972 | 13,613 | | |
| North Dakota | 25,433 | 22,715 | 20,887 | 1,327 | 1,314 | 1,006 | | |
| Ohio | 622,817 | 660.786 | 610.587 | 36,327 | 34,138 | 34,610 | | |
| Oklahoma | 342,790 | 354,372 | 355,937 | 33,982 | 41,364 | 40,916 | | |
| Oregon | 112,492 | 113,313 | 101,309 | 12,559 | 12,845 | 9,490 | | |
| Pennsylvania | 468,741 | 496,893 | 480,601 | 28,814 | 26,622 | 27,689 | | |
| Rhode Island | 60,775 | 58,850 | 48,300 | 4,738 | 4,757 | 5,075 | | |
| South Carolina | 123,738 | 107,642 | 111,942 | 11,464 | 13,758 | 17,974 | | |
| South Dakota | 23,961 | 23,683 | 21,993 | 1,153 | 1,210 | 1,398 | | |
| Tennessee | 198,419 | 187,047 | 172,674 | 16,619 | 16,625 | 14,884 | | |
| Texas | 2,652,984 | 2,762,345 | 2,573,739 | NA | 336,130 | 333,478 | | |
| Utah | 92,697 | 90,531 | 90,806 | 6,362 | 6,712 | 6,619 | | |
| Maria de | | | | | | | | |
| Vermont | 5,814 | 5,344 | 5,150 | 345 | 293 | 285 | | |
| Virginia | 168,855 | 167,932 | 173,351 | 11,527 NA | 14,228 | 14,380 | | |
| Washington | 171,042 | 166,442 | 153,781 | | 15,634 | 13,007 | | |
| West Virginia | 81,602 | 84,719 | 81,044 | 6,025 | 6,001 | 5,547 | | |
| Wisconsin | 285,342 | 279,477 | 256,827 | 16,447 | 16,401 | 17,555 | | |
| Wyoming | 52,645 | 51,656 | ŇA | ŃA | ^R 4,271 | ^R 4,475 | | |
| **, Citaling | - / | | | | | | | |

Table 18. Natural Gas Deliveries to All Consumers, by State, 1995-1997

| State | | 1997 | | | | | | | | | |
|--------------------|---------------------|--------------------|--------------------|---|------------------|---------------|--|--|--|--|--|
| State | June | May | April | March | February | January | | | | | |
| lahama | 20 567 | 22.424 | 22.042 | 24.002 | 20.657 | 24 472 | | | | | |
| labama | | 22,424 | 23,942 | 24,993 | 29,657 | 31,172 | | | | | |
| laska | | 10,857 | 12,458 | 13,869 | 13,399 | 15,754 | | | | | |
| rizona | | 8,786 | 7,535 | 10,047 | 10,920 | 12,196 | | | | | |
| rkansas | 17,545 | 16,464 | 18,087 | 20,705 | 24,896 | 27,778 | | | | | |
| alifornia | 125,563 | 143,063 | 143,256 | 153,477 | 162,782 | 177,297 | | | | | |
| olorado | NA | NA | 22,148 | NA | NA | NA | | | | | |
| onnecticut | | 8.929 | 12,971 | 14.438 | 16,123 | 15,326 | | | | | |
| elaware | , | 3,348 | 4,766 | 5,652 | 5,918 | 5,563 | | | | | |
| strict of Columbia | , | 2,317 | 2,158 | 4,232 | 4,971 | 5,042 | | | | | |
| orida | | 45,776 | 44,267 | 45,215 | 34,457 | 29,299 | | | | | |
| | 10.015 | 04.000 | 00.000 | 00.047 | 40.054 | 45.047 | | | | | |
| eorgiaawaii | | 24,082 207 | 29,290 215 | 30,047 226 | 40,351 237 | 45,217 239 | | | | | |
| aho | | 4,298 | 5,685 | 6,454 | 7,128 | 7,546 | | | | | |
| nois | | 64,815 | 89,515 | 117,123 | 132,750 | 171,230 | | | | | |
| | | , | | | | , | | | | | |
| diana | 29,312 | 39,497 | 46,637 | 58,050 | 64,835 | 77,926 | | | | | |
| wa | _ ′ | 15,115 | 20,297 | 25,491 | 28,952 | 38,704 | | | | | |
| ansas | ^R 14,499 | 16,509 | 19,765 | 24,630 | 28,702 | 35,391 | | | | | |
| entucky | 9,592 | 12,569 | 15,682 | 19,924 | 23,491 | 31,742 | | | | | |
| ouisiana | | 112,568 | 106,030 | 101,161 | 104,504 | 111,538 | | | | | |
| aine | , | 434 | 562 | 702 | 643 | 778 | | | | | |
| | R44 000 | R40 440 | R47 000 | ROO 400 | R00 400 | ROE 004 | | | | | |
| aryland | | R12,410 | R17,306 | R20,426 | R23,169 | R25,264 NA | | | | | |
| assachusetts | | 25,382 | 38,194 | 42,536 | 44,668 | | | | | | |
| ichigan | | 70,279 | 87,599 | 112,016 | 120,488 | 135,372 | | | | | |
| innesota | , | 20,092 | 28,755 | 38,990 | 43,574 | 51,440 | | | | | |
| ississippi | 16,536 | 13,193 | 13,006 | 14,796 | 17,432 | 18,819 | | | | | |
| issouri | 11,961 | 15,127 | 24,139 | 28,569 | 45,769 | 45,237 | | | | | |
| ontana | 2,266 | 3,230 | 4,531 | 5,832 | 6,646 | 8,432 | | | | | |
| ebraska | , | ŃA | R10,771 | 13,598 | 19,096 | 18,609 | | | | | |
| evada | | 11,097 | 9,856 | 12,100 | 10,278 | 11,324 | | | | | |
| ew Hampshire | , | 1,843 | 2,115 | 2,437 | 2,626 | 2,545 | | | | | |
| au Iaraau | 22.010 | 20 227 | E0 240 | 74.005 | 65 627 | 77 500 | | | | | |
| ew Jersey | | 39,327 | 50,240 | 74,025 | 65,637 | 77,588 | | | | | |
| ew Mexico | NÍ A | 8,286 NA | 7,849 NA | 11,458 NA | 13,678 NA | 16,137 NA | | | | | |
| ew York | •• | | | | | | | | | | |
| orth Carolina | | 15,141 | 17,647 | 19,958 | 25,811 | 25,277 | | | | | |
| orth Dakota | 1,384 | 2,260 | 3,140 | 4,558 | 5,115 | 5,328 | | | | | |
| nio | 38,040 | 59,663 | 75,369 | 98,118 | 113,372 | 133,180 | | | | | |
| dahoma | * | 30,560 | 34,124 | 38,029 | 43,527 | 46,819 | | | | | |
| regon | , | 9,529 | 11,832 | 14,351 | 15,519 | 18,566 | | | | | |
| ennsylvania | , | 44,874 | 60,020 | 73,750 | 84,428 | 92.163 | | | | | |
| hode Island | , | 6,911 | 7,506 | 8,622 | 8,649 | 8,803 | | | | | |
| outh Carolina | 10.007 | 14.607 | 10 400 | 10 570 | 1F 744 | 46.050 | | | | | |
| outh Carolina | .' | 11,697 | 12,486 | 13,572 | 15,741 | 16,059 | | | | | |
| outh Dakota | | 2,004 | 2,900 | 3,604 | 4,506 | 5,684 | | | | | |
| ennessee | -, | 18,028 | 21,621 | 26,945 | 34,363 | 33,577 | | | | | |
| exas | | 263,312 | 251,169 | 283,943 | 270,103 | 317,196 | | | | | |
| ah | 5,977 | 6,848 | 11,430 | 13,219 | 16,656 | 18,874 | | | | | |
| ermont | 354 | 569 | 782 | 1,048 | 1,059 | 1,078 | | | | | |
| rginia | | 16,686 | 20,271 | 21,555 | 27,861 | 30,486 | | | | | |
| ashington | | 18,288 | 16,880 | 23,019 | 24,824 | 27,478 | | | | | |
| est Virginia | | 8,410 | 12,384 | 9,734 | 13,142 | 14,271 | | | | | |
| isconsin | | NA | NA NA | 46,087 | 48,846 | 61,081 | | | | | |
| /yoming | | ^R 6,272 | ^R 6,374 | ^{46,087} ^R 6,938 | 46,846 R6,883 | R8,992 | | | | | |
| , | _ | R1,435,250 | R1,624,542 | | | R2,331,220 | | | | | |
| 'otal | | | | ^R 1,916,587 | R2,082,937 | | | | | | |

Table 18. Natural Gas Deliveries to All Consumers, by State, 1995-1997

| State | 1996 | | | | | | | | | |
|--------------------|-----------|----------|----------|--------------|----------------|-----------|--|--|--|--|
| State | Total | December | November | October | September | August | | | | |
| Jah | 293.084 | 07.004 | 20.000 | 04.500 | 40.000 | 40.000 | | | | |
| labama | / | 27,094 | 22,883 | 21,529 | 19,832 | 19,033 | | | | |
| aska | 150,877 | 15,528 | 13,584 | 12,633 | 10,943 | 11,496 | | | | |
| rizona | 103,037 | 10,289 | 7,516 | 7,435 | 6,972 | 9,510 | | | | |
| rkansas | 252,585 | 23,939 | 18,699 | 14,990 | 17,185 | 18,927 | | | | |
| alifornia | 1,721,217 | 166,541 | 147,022 | 138,842 | 136,901 | 155,943 | | | | |
| olorado | 269,006 | 33,157 | 22,968 | 13,807 | 11,994 | 13,252 | | | | |
| onnecticut | 126,488 | 13,888 | 10,932 | 8,990 | 7,570 | 7,498 | | | | |
| elaware | 54,020 | 4,253 | 4,459 | 4,236 | 4,104 | 3,910 | | | | |
| strict of Columbia | 33,644 | 4,731 | 2,448 | 1,382 | 1,175 | 1,130 | | | | |
| orida | 478,471 | 29,697 | 33,713 | 43,317 | 48,450 | 47,884 | | | | |
| eorgia | 374,882 | 42,005 | 36,037 | 24,688 | 21,145 | 22,041 | | | | |
| awaii | 2,672 | 220 | 200 | 209 | 21,143 | 206 | | | | |
| aho | 61,058 | 6,736 | 5,424 | 4,267 | 3,588 | 3,040 | | | | |
| | , | 149,698 | , | 65,883 | , | 39,723 | | | | |
| nois | 1,104,972 | , | 121,461 | , | 42,305 | | | | | |
| diana | 561,056 | 64,588 | 52,504 | 35,148 | 26,545 | 25,587 | | | | |
| va | 260,140 | 33,840 | 27,088 | 15,392 | 11,602 | 11,684 | | | | |
| ansas | 275,508 | 33,619 | 24,789 | 13,341 | 13,359 | 19,111 | | | | |
| entucky | 207,529 | 25,797 | 22,270 | 12,879 | 9,256 | 8,916 | | | | |
| ouisiana | 1,382,966 | 108,393 | ŇA | ŇA | 112,202 | 123,596 | | | | |
| aine | 5,722 | 601 | 619 | 478 | 291 | 274 | | | | |
| aryland | 189,901 | 22.026 | 16,766 | 10.847 | 9,705 | 10,184 | | | | |
| assachusetts | 355,609 | 36,513 | 31,385 | 28,511 | 24,573 | 22,967 | | | | |
| ichigan | 980,555 | 114,489 | 91,489 | 55,831 | 42,722 | 39,157 | | | | |
| innesota | 348,671 | 47,484 | 36,773 | 21,889 | 14,156 | 12,763 | | | | |
| ississippi | 216,524 | 16,183 | 16,579 | 14,771 | 18,125 | 20,243 | | | | |
| innai | 206 044 | 27 222 | 24.240 | 10 106 | 0.044 | 44 500 | | | | |
| issouri | 286,814 | 37,323 | 24,218 | 12,436 | 9,811 | 11,582 | | | | |
| ontana | 55,584 | 7,466 | 5,870 | 3,712 | 2,549 | 2,257 | | | | |
| ebraska | 128,297 | 16,087 | 10,994 | 8,322 | 5,903 | 6,101 | | | | |
| evada | 122,449 | 10,973 | 9,050 | 8,977 | 9,476 | 10,921 | | | | |
| ew Hampshire | 19,031 | 2,155 | 1,895 | 1,144 | 761 | 742 | | | | |
| ew Jersey | 599,810 | 76,491 | 50,284 | 33,981 | 29,492 | 26,043 | | | | |
| ew Mexico | 113,059 | 13,633 | 10,437 | 7,281 | 6,165 | 7,418 | | | | |
| ew York | 1,121,742 | NA | NA | NA | NA | NA | | | | |
| orth Carolina | 205,783 | 23,182 | 17,666 | 14,099 | 11,058 | 10,992 | | | | |
| orth Dakota | 32,670 | 4,544 | 3,497 | 1,900 | 1,219 | 936 | | | | |
| nio | 915,035 | 111,994 | 87,340 | 54,686 | 34,327 | 34,726 | | | | |
| klahoma | 460,373 | 42,614 | 33,004 | 30,251 | 33,379 | 39,824 | | | | |
| regon | 160,626 | 17,626 | 15,293 | 14,369 | 13,598 | 12,667 | | | | |
| ennsylvania | 684,022 | 80,392 | 65,415 | 41,287 | 29,057 | 29,652 | | | | |
| hode Island | 82,041 | 8,359 | 7,830 | 6,999 | 6,206 | 6,308 | | | | |
| outh Carolina | 146,434 | 15,449 | 12,527 | 10.915 | 0.040 | 0.600 | | | | |
| | 33,594 | | | 10,815 | 9,849 1 171 | 9,602 | | | | |
| outh Dakota | , | 4,805 | 3,425 | 1,677 | 1,171 | 1,162 | | | | |
| ennessee | 256,053 | 30,041 | 23,454 | 15,496 NA | 13,863 | 13,130 | | | | |
| exas | 3,585,201 | 284,720 | 261,074 | | 292,962 | 310,564 | | | | |
| ah | 129,651 | 16,258 | 12,727 | 10,013 | 7,809 | 6,534 | | | | |
| ermont | 7,325 | 844 | 698 | 440 | 300 | 273 | | | | |
| rginia | 230,140 | 28,550 | 20,832 | 12,795 | 10,655 | 12,196 | | | | |
| ashington | 231,767 | 26,206 | 21,913 | 17,092 | 15,904 | 15,398 | | | | |
| est Virginia | 115,622 | 13,051 | 10,306 | 7,541 | 6,489 | 5,743 | | | | |
| isconsin | 398,581 | 50,811 | 43,208 | 25,032 | 16,019 | 15,491 | | | | |
| yoming | 73,609 | 8,146 | 7,382 | 6,411 | 4,324 | 4,322 | | | | |
| | | | | 1,377,692 | | 1,312,337 | | | | |

Table 18. Natural Gas Deliveries to All Consumers, by State, 1995-1997

| Alabama Alaska Arizona Arkansas California Colorado Connecticut Delaware District of Columbia Florida Georgia Hawaii | 10,922 8,156 20,438 135,936 13,596 6,777 3,861 | 19,145 10,983 7,142 19,320 117,883 13,134 6,410 | 21,871 11,154 6,125 18,556 123,142 | 26,181 12,345 7,844 | March 28,921 14,192 | February |
|--|--|---|--|---------------------------|----------------------------|-----------|
| Alaska | 10,922 8,156 20,438 135,936 13,596 6,777 3,861 | 10,983 7,142 19,320 117,883 | 11,154 6,125 18,556 | 12,345 7,844 | , | 33.112 |
| laska | 10,922 8,156 20,438 135,936 13,596 6,777 3,861 | 10,983 7,142 19,320 117,883 | 11,154 6,125 18,556 | 12,345 7,844 | , | აა. 🖂 |
| rizona rkansas alifornia olorado onnecticut elaware istrict of Columbia lorida | 8,156 20,438 135,936 13,596 6,777 3,861 | 7,142 19,320 117,883 13,134 | 6,125 18,556 | 7,844 | 14,192 | |
| rkansas | 20,438 135,936 13,596 6,777 3,861 | 19,320 117,883 13,134 | 18,556 | | 0.400 | 14,334 |
| alifornia | 135,936 13,596 6,777 3,861 | 117,883 13,134 | , | | 9,402 | 10,029 |
| olorado onnecticut elaware istrict of Columbia orida eorgia | 13,596 6,777 3,861 | 13,134 | 123,142 | 22,886 | 23,375 | 26,509 |
| onnecticutelawarelatic of Columbialoridaeorgia | 6,777 3,861 | , | | 128,773 | 141,423 | 153,817 |
| elawareistrict of Columbialoridaeorgia | 3,861 | 6.410 | 17,609 | 26,605 | 31,433 | 37,489 |
| istrict of Columbialoridaeorgia | | U, T 1U | 7,576 | 11,010 | 14,113 | 15,385 |
| istrict of Columbialoridaeorgia | | 4,582 | 3,277 | 4,143 | 5,446 | 5,121 |
| eorgia | | 1,405 | 2,040 | 3,637 | 3,927 | 5,025 |
| • | | 42,761 | 48,319 | 38,647 | 33,399 | 31,525 |
| • | 21,029 | 21,094 | 24,193 | 31,233 | 41,352 | 40,564 |
| | , | 21,094 | 24,193 | 239 | 236 | 243 |
| laho | | 3,718 | 4,537 | 5,166 | 6,412 | 7,355 |
| | | , | , | , | | |
| inois | 39,693 | 43,213 | 64,033 | 89,998 | 130,862 | 146,944 |
| diana | 26,098 | 50,104 | 22,111 | 48,080 | 63,463 | 68,873 |
| wa | 11,467 | 12,874 | 16,431 | 21,611 | 29,510 | 31,850 |
| ansas | | 17,217 | 15,908 | 20,931 | 28,138 | 31,845 |
| entucky | 8,396 | 11,114 | 10,325 | 16,374 | 24,662 | 26,052 |
| ouisiana | 126,054 | 124,988 | 117,827 | 107,234 | 115,083 | 109,392 |
| laine | 242 | 297 | 362 | 444 | 676 | 693 |
| aryland | 9,222 | 9,721 | 11,805 | 16.183 | 22,051 | 24,090 |
| assachusetts | , | 19,087 | 23,463 | 30,891 | 37,902 | 40,483 |
| lichigan | | 45,332 | 67,245 | 92,332 | 122.400 | 131,328 |
| linnesota | 13,247 | 14,978 | 20,593 | 29,687 | 41,394 | 45,020 |
| lississippi | 18,928 | 20,138 | 17,489 | 16,692 | 16,886 | 19,038 |
| | | | | | | |
| lissouri | 10,348 | 11,539 | 16,261 | 26,460 | 35,528 | 43,572 |
| lontana | , | 2,521 | 3,602 | 4,720 | 5,933 | 7,397 |
| ebraska | , | 6,017 | 7,619 | 11,193 | 14,342 | 16,979 |
| levada | 11,337 | 9,821 | 9,861 | 8,970 | 10,309 | 10,619 |
| ew Hampshire | 710 | 855 | 1,263 | 1,793 | 2,388 | 2,611 |
| ew Jersey | 31,482 | 31,189 | 38,773 | 53,135 | 67,758 | 76,551 |
| ew Mexico | 8,331 | 8,044 | 6,718 | 8,983 | 9,770 | 10,949 |
| ew York | ŇA | 66,556 | ŇA | ŇA | ŇA | ŇA |
| orth Carolina | 11,307 | 11,847 | 13,086 | 18,978 | 21,425 | 24,787 |
| orth Dakota | 885 | 1,235 | 2,081 | 3,180 | 4,226 | 4,485 |
| hio | 34,182 | 47,450 | 53,255 | 80,045 | 112,355 | 122,483 |
| klahoma | | 36.075 | 33,715 | 34,411 | 40,875 | 46,027 |
| | | 9,484 | 10,788 | 10,848 | 13,315 | 15,654 |
| regon | | 31,421 | 41.429 | , | , | 91,446 |
| ennsylvaniahode Island | 27,532 4,620 | 5,342 | 41,429 6,111 | 59,787 6,827 | 84,726 7,151 | 6,916 |
| | | | | | | |
| outh Carolina | 9,559 | 9,690 | 10,847 | 13,344 | 13,721 | 15,118 |
| outh Dakota | | 1,480 | 1,896 | 2,925 | 4,581 | 4,604 |
| ennessee | | 13,507 | 14,359 | 22,229 | 26,961 | 33,354 |
| exas | | 307,032 | 318,667 | 288,584 | 313,252 | 290,819 |
| tah | 6,500 | 5,632 | 6,981 | 10,571 | 12,310 | 17,035 |
| ermont | 228 | 340 | 498 | 684 | 961 | 1,013 |
| irginia | 12,514 | 10,792 | 14,116 | 18,035 | 28,025 | 29,635 |
| /ashington | | 12,936 | 16,490 | 18,363 | 22,246 | 26,822 |
| /est Virginia | | 5,606 | 7,097 | 10,302 | 13,241 | 14,642 |
| /isconsin | | 16,828 | 24,514 | 34,055 | 48,221 | 51,646 |
| Vyoming | | 4,952 | 5,627 | 6,356 | 6,574 | 8,315 |
| Total | 1,284,757 | 1,305,052 | 1,419,753 | 1,662,615 | 2,030,051 | 2,157,511 |

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total for commercial deliveries but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-759, "Monthly Power Plant Report."

R = Revised Data.
NA = Not Available.

Table 19. Average City Gate Price, by State, 1995-1997

(Dollars per Thousand Cubic Feet)

| 04-4 | YTD | YTD | YTD | 1997 | | | | | |
|---------------------|------|----------|----------|-----------|-------------------|-------------------|-------------------|------------|--|
| State | 1997 | 1996 | 1995 | September | August | July | June | Мау | |
| | | | | | | | | | |
| llabama | 3.85 | 3.38 | 2.87 | 3.83 | 3.88 | 4.10 | 3.86 | 3.54 | |
| .laska | 1.24 | 1.58 | 1.68 | 1.79 | 1.73 | 1.74 | 1.70 | 1.78 | |
| rizona | 3.19 | 2.39 | 2.13 | 3.74 | 3.16 | 2.98 | 3.32 | 3.18 | |
| rkansas | 3.17 | 2.55 | 2.30 | 2.87 | 3.28 | 2.78 | 2.77 | 2.59 | |
| alifornia | 2.96 | 2.37 | 2.02 | 2.74 | 2.79 | 3.72 | 2.67 | 2.55 | |
| olorado | 3.18 | 2.29 | 2.72 | NA | NA | NA | NA | NA | |
| Connecticut | 5.29 | 5.07 | 4.84 | 5.29 | 5.33 | 4.55 | 4.76 | 4.81 | |
| | | | 2.62 | | | | | 3.20 | |
| elaware | 3.59 | 3.58 | | 1.04 | 4.07 | 3.51 | 3.44 | 3.20 | |
| istrict of Columbia | | _ | 2.50 | | _ | _ | _ 2.50 | 2.00 | |
| lorida | 3.88 | 3.62 | 2.59 | 3.82 | 3.31 | 3.41 | 3.50 | 3.09 | |
| eorgia | 4.07 | 3.66 | 2.99 | 5.29 | 3.90 | 3.96 | 4.37 | 3.20 | |
| awaii | 6.51 | 5.91 | 5.16 | 6.11 | 6.35 | 6.59 | 5.46 | 6.47 | |
| laho | 2.25 | 2.26 | 2.29 | NA | 2.50 | 2.16 | 2.83 | 2.98 | |
| inois | 3.20 | 3.17 | 2.64 | 3.78 | 3.37 | 2.81 | 3.11 | 3.06 | |
| diana | 2.98 | 2.99 | 2.87 | 3.15 | 2.87 | 2.54 | 2.35 | 2.32 | |
| mana | 2.30 | 2.33 | 2.01 | 0.10 | 2.07 | 2.04 | 2.00 | 2.02 | |
| wa | 3.78 | 3.37 | 2.87 | 5.39 | 5.86 | 6.62 | 4.74 | 3.49 | |
| ansas | 3.33 | 2.88 | 2.29 | 3.47 | 3.11 | 2.88 | 3.02 | 2.8 | |
| entucky | 3.69 | 3.23 | 2.87 | 3.57 | 3.62 | 3.68 | 3.69 | 3.30 | |
| ouisiana | 2.95 | 3.03 | 2.09 | 3.01 | R2.56 | 2.58 | 2.63 | 2.40 | |
| | 4.23 | 4.42 | 3.54 | 3.79 | 4.43 | 4.34 | 4.53 | 4.69 | |
| aine | 4.23 | 4.42 | 3.54 | 3.79 | 4.43 | 4.34 | 4.53 | 4.08 | |
| aryland | 4.07 | NA | 2.90 | 5.77 | ^R 6.05 | ^R 5.81 | R4.34 | R4.15 | |
| assachusetts | 3.81 | 3.93 | 3.57 | 4.58 | 4.29 | 5.29 | 5.61 | 2.86 | |
| lichigan | 2.90 | 2.84 | 2.59 | 2.87 | 2.63 | 2.54 | 2.69 | 2.60 | |
| linnesota | 3.42 | 2.91 | 2.51 | 4.02 | 2.97 | 3.92 | 3.49 | 2.64 | |
| lississippi | 3.37 | 3.15 | 2.35 | NA NA | NA NA | NA NA | 2.95 | 2.43 | |
| | | | | | . == | | | | |
| lissouri | 3.78 | 3.05 | 2.77 | 5.08 | 4.79 | 4.61 | 5.31 | 3.95 | |
| Iontana | 3.30 | 2.92 | 3.18 | 3.76 | 3.96 | 3.63 | 3.91 | 2.28 | |
| ebraska | 3.79 | 2.88 | 2.51 | 7.03 | 5.51 | 4.96 | 4.09 | 3.11 | |
| evada | 3.50 | 2.82 | 2.86 | 4.12 | 3.99 | 3.87 | 3.64 | 2.72 | |
| ew Hampshire | 4.20 | 4.16 | 3.39 | NA | 4.45 | 4.28 | 4.34 | 3.66 | |
| low Jorgov | 4.14 | 2.75 | 2 20 | 4.22 | 4.41 | 4.29 | 4.24 | 2 06 | |
| ew Jersey | 4.14 | 3.75 | 3.28 | | 4.41 | | 4.21 | 3.86 | |
| ew Mexico | 2.52 | 1.51 | 1.45 | 2.62 | 2.18 NA | 2.13 NA | 2.13 | 2.04 NA | |
| ew York | 3.41 | 3.32 | 2.36 | 3.42 | NA | | NA | | |
| orth Carolina | 4.00 | 3.71 | 2.98 | 4.13 | 3.96 | 3.90 | 3.84 | 3.83 | |
| orth Dakota | 3.31 | 2.75 | 2.66 | 3.53 | 3.36 | 3.14 | 3.17 | 2.95 | |
| hio | 5.43 | 4.16 | 4.02 | 4.91 | 5.51 | 7.16 | 6.17 | 5.96 | |
| klahoma | 3.09 | 2.55 | 2.61 | 2.58 | 2.66 | 3.23 | 2.66 | 2.22 | |
| | | | | | | | | | |
| regon | 2.61 | 2.33 | 2.59 | 3.12 | 4.01 | 3.45 | 3.00 | 3.02 | |
| ennsylvania | 4.04 | 3.66 | 3.20 | 4.56 | 4.36 | 4.03 | 4.90 | 4.30 | |
| hode Island | 4.58 | 4.38 | 3.61 | 5.71 | 6.64 | 7.53 | 6.42 | 4.8 | |
| outh Carolina | 3.74 | 3.86 | 3.29 | 4.03 | 3.86 | 3.74 | 3.78 | 3.54 | |
| outh Dakota | 3.71 | NA | 2.99 | 4.03 | 4.26 | 4.40 | 4.58 | 3.7 | |
| ennessee | 3.08 | 3.87 | 2.65 | 2.78 | 2.51 | 2.71 | NA | 2.96 | |
| exas | 3.58 | 3.05 | 2.93 | 3.21 | 3.11 | 3.23 | 3.01 | 2.50 | |
| ah | 2.58 | 2.16 | 3.18 | 2.81 | 3.02 | 2.83 | 2.35 | 1.93 | |
| | | | | | | | | | |
| ermont | 2.19 | 2.88 | 2.71 | 2.29 | 2.33 | 2.41 | 2.58 | 2.7 | |
| irginia | 4.18 | 3.74 | 2.91 | 4.69 | 4.47 | 3.94 | 3.77 | 5.12 | |
| ashington | 2.65 | 2.33 | 2.23 | NA | NA | NA | 2.28 | 2.53 | |
| est Virginia | 3.15 | 3.34 | 2.85 | 3.53 | 3.89 | 1.85 | 3.90 | 3.02 | |
| isconsin | 3.65 | 3.28 | 2.90 | 4.52 | 4.75 | R3.68 | NA NA | 3.39 | |
| /yoming | 3.05 | NA NA | NA NA | 2.95 | R2.90 | R2.94 | ^R 2.85 | R1.64 | |
| | | | | | R3.44 | | | | |
| Total | 3.56 | 3.21 | 2.79 | 3.61 | NO 11 | ^R 3.61 | R3.44 | 3.1 | |

Table 19. Average City Gate Price, by State, 1995-1997

(Dollars per Thousand Cubic Feet) — Continued

| | | 1 | 997 | 1996 | | | | |
|----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| State | April | March | February | January | Total | December | November | Octobe |
| | | | | | | | | |
| labama | 3.16 | 3.20 | 4.02 | 4.44 | 3.48 | 4.07 | 3.61 | 3.44 |
| llaska | 0.38 | 1.84 | 1.80 | 1.88 | 1.58 | 1.59 | 1.60 | 1.55 |
| rizona | 2.61 | 2.22 | 2.85 | 4.21 | 2.78 | 4.14 | 3.32 | 2.66 |
| rkansas | 2.48 | 2.46 | 3.16 | 4.18 | 2.76 | 3.68 | 3.04 | 2.46 |
| alifornia | 2.30 | 2.25 | 3.21 | 4.14 | 2.59 | 3.81 | 3.00 | 2.37 |
| Colorado | 2.30 | NA | NA | NA | 2.70 | 4.91 | 3.13 | 2.58 |
| onnecticut | 4.94 | 4.82 | 6.00 | 5.82 | 5.11 | 6.15 | 4.60 | 4.46 |
| elaware | 3.00 | 4.16 | 5.09 | 6.92 | 3.68 | 4.96 | 3.66 | 2.94 |
| istrict of Columbia | _ | _ | _ | _ | _ | _ | _ | _ |
| lorida | 3.62 | 4.04 | 4.56 | 4.61 | 3.73 | 4.80 | 3.90 | 3.28 |
| eorgia | 3.08 | 3.31 | 4.15 | 4.80 | 3.77 | 4.65 | 3.71 | 3.17 |
| awaii | 7.21 | 6.50 | 7.73 | 6.16 | 6.05 | 6.67 | 6.30 | 6.33 |
| | | | | | | | | |
| daho | 2.08 | 1.85 | 2.13 | 2.37 | 2.24 | 2.30 | 2.10 | 2.11 |
| linois | 2.48 | 2.43 | 3.30 | 3.79 | 3.27 | 4.05 | 3.25 | 2.65 |
| idiana | 2.07 | 2.31 | 3.20 | 4.08 | 3.09 | 3.83 | 3.16 | 2.49 |
| owa | 2.83 | 3.05 | 3.66 | 3.98 | 3.47 | 4.09 | 3.46 | 3.12 |
| ansas | 2.38 | 2.67 | 3.67 | 4.37 | 3.05 | 3.77 | 3.38 | 2.91 |
| entucky | 3.62 | 3.40 | 3.47 | 4.17 | 3.41 | 4.40 | 3.59 | 2.94 |
| ouisiana | 2.36 | 2.44 | 3.49 | 3.84 | 3.13 | 4.30 | 3.24 | 2.31 |
| laine | 3.43 | 4.26 | 3.52 | 4.96 | 4.30 | 4.34 | 3.64 | 3.93 |
| laryland | R3.15 | R3.32 | R3.75 | R4.14 | 4.02 | 4.65 | 3.75 | 3.65 |
| lassachusetts | 3.26 | 2.97 | 4.12 | 4.30 | 3.98 | 4.82 | 3.72 | 3.60 |
| | | | | | | | | |
| lichigan | 2.56 | 2.66 | 3.28 | 3.98 | 2.90 | 3.73 | 3.07 | 2.49 |
| linnesotalississippi | 2.41 2.89 | 2.70 2.82 | 3.48 3.48 | 4.51 4.25 | 3.07 3.27 | 3.78 4.34 | 3.19 3.14 | 2.65 2.67 |
| | | | | | | | | |
| lissouri | 3.11 | 2.78 | 3.50 | 4.05 | 3.25 | 4.03 | 3.20 | 3.47 |
| Nontana | 3.09 | 2.70 | 3.50 | 3.73 | 3.03 | 3.46 | 3.04 | 3.08 |
| lebraska | 2.28 | 3.02 | 3.75 | 4.42 | 3.07 | 3.99 | 3.11 | 2.93 |
| levada | 2.81 | 2.96 | 3.37 | 4.13 | 3.10 | 3.97 | 3.46 | 2.96 |
| lew Hampshire | 3.15 | 3.99 | 4.42 | 4.93 | 4.20 | 5.01 | 4.15 | 3.19 |
| lew Jersey | 3.15 | 3.99 | 4.20 | 4.70 | 3.84 | 4.82 | 3.83 | 3.25 |
| lew Mexico | 1.91 | 1.38 | 2.39 | 3.85 | 1.99 | 3.60 | 2.68 | 1.88 |
| | NA | NA | NA NA | NA | | | | |
| lew York | | | | | 3.36 | 4.38 | 3.03 | 2.86 |
| lorth Carolina | 3.40 | 3.51 | 4.34 | 4.36 | 3.74 | 4.26 | 3.48 | 3.22 |
| lorth Dakota | 2.50 | 2.43 | 3.59 | 4.22 | 2.94 | 3.80 | 3.10 | 2.49 |
| hio | 5.79 | 5.01 | 5.41 | 5.24 | 4.37 | 4.79 | 4.95 | 5.06 |
| klahoma | 2.22 | 3.09 | 3.68 | 3.52 | 2.56 | 2.84 | 2.44 | 1.99 |
| Oregon | 1.95 | 1.92 | 2.35 | 2.95 | 2.42 | 2.95 | 2.41 | 2.24 |
| ennsylvania | 3.48 | 3.48 | 4.12 | 4.22 | 3.77 | 4.24 | 3.92 | 3.85 |
| thode Island | 3.46 | 3.16 | 4.26 | 4.85 | 4.41 | 5.20 | 4.04 | 3.91 |
| outh Carolina | 3.25 | 2.95 | 3.97 | 4.20 | 3.90 | 4.60 | 3.76 | 3.26 |
| outh Dakota | 3.02 | 2.78 | 3.95 | 4.10 | 3.19 | 3.98 | | 2.87 |
| | | 2.76 NA | | | | | 3.37 | |
| ennessee | 2.51 | | 3.73 | 4.10 | 4.04 | 6.64 | 3.71 | 2.92 |
| exas | 2.38 | 3.01 | 4.16 | 4.70 | 3.22 | 4.21 | 3.49 | 2.73 |
| tah | 2.15 | 2.69 | 2.76 | 2.65 | 2.25 | 2.39 | 3.32 | 1.66 |
| ermont | 2.39 | 2.26 | 2.16 | 1.57 | 2.74 | 2.67 | 2.49 | 2.18 |
| irginia | 3.28 | 3.49 | 3.96 | 5.04 | 3.89 | 5.13 | 3.69 | 3.34 |
| /ashington | 2.70 | 1.89 | 2.62 | 3.45 | 2.44 | 3.14 | 2.50 | 1.94 |
| /est Virginia | 2.88 | 2.17 | 3.54 | 3.61 | 3.36 | 3.53 | 3.25 | 3.57 |
| /isconsin | NA | 2.89 | 3.54 | 4.13 | 3.43 | 4.12 | 3.61 | 3.17 |
| /yoming | R2.48 | 3.19 | 3.61 | R4.22 | 2.36 | 2.55 | 2.18 | 1.91 |
| | | | | | | | | |

Table 19. Average City Gate Price, by State, 1995-1997

| | | | | 19 | 96 | | | |
|---------------------|-----------|--------|------|------|------|-------|-------|---------|
| State | September | August | July | June | May | April | March | Februar |
| | | | | | | | | |
| Jabama | 3.62 | 4.11 | 4.04 | 3.86 | 3.57 | 3.27 | 3.15 | 3.35 |
| laska | 1.57 | 1.54 | 1.54 | 1.57 | 1.56 | 1.58 | 1.60 | 1.60 |
| rizona | 3.02 | 3.58 | 2.94 | 2.57 | 2.46 | 2.05 | 1.97 | 2.36 |
| rkansas | 2.29 | 2.59 | 2.76 | 2.82 | 2.59 | 2.50 | 2.57 | 2.52 |
| alifornia | 2.34 | 2.77 | 2.42 | 2.56 | 2.14 | 2.22 | 2.42 | 2.25 |
| olorado | 2.49 | 2.29 | 2.30 | 2.40 | 2.50 | 2.94 | 2.16 | 2.18 |
| onnecticut | 4.65 | 4.42 | 4.75 | 5.03 | 4.94 | 5.22 | 4.66 | 5.37 |
| elaware | 3.03 | 3.80 | 4.22 | 3.44 | 3.18 | 3.75 | 4.20 | 3.43 |
| istrict of Columbia | _ | _ | _ | _ | _ | _ | _ | _ |
| lorida | 3.03 | 3.54 | 3.57 | 3.31 | 3.39 | 3.97 | 3.83 | 3.60 |
| eorgia | 3.31 | 4.00 | 4.22 | 3.68 | 3.74 | 3.51 | 3.82 | 3.36 |
| awaii | 6.00 | 6.05 | 6.34 | 6.27 | 6.32 | 5.74 | 5.53 | 5.49 |
| daho | 2.72 | 2.48 | 5.26 | 3.39 | 2.28 | 2.21 | 2.12 | 2.08 |
| inois | 2.72 | 3.25 | 3.69 | 3.12 | 2.83 | 2.93 | 3.49 | 3.73 |
| | | | | | | | | |
| diana | 2.04 | 2.70 | 3.30 | 3.10 | 2.56 | 2.90 | 3.06 | 3.32 |
| wa | 4.28 | 7.96 | 7.45 | 4.61 | 4.19 | 3.13 | 2.82 | 3.03 |
| ansas | 2.63 | 2.88 | 3.24 | 3.53 | 3.24 | 3.24 | 2.70 | 2.66 |
| entucky | 3.16 | 3.04 | 3.07 | 3.08 | 3.83 | 3.50 | 3.29 | 3.05 |
| ouisiana | 2.26 | 2.69 | 3.01 | 2.72 | 2.65 | 3.06 | 3.29 | 3.24 |
| laine | 3.91 | 4.35 | 5.04 | 5.51 | 5.61 | 5.34 | 4.01 | 3.89 |
| aryland | 5.61 | 5.85 | 6.04 | 5.63 | 4.35 | 4.01 | 3.70 | 3.23 |
| assachusetts | 5.36 | 5.68 | 5.53 | 6.05 | 4.37 | 3.97 | 3.32 | 3.17 |
| ichigan | 2.31 | 2.98 | 2.87 | 2.64 | 2.69 | 2.80 | 3.11 | 2.91 |
| linnesota | 2.91 | 3.32 | 4.14 | 2.88 | 2.82 | 2.73 | 2.79 | 2.78 |
| lississippi | 2.59 | 2.89 | 3.10 | 2.90 | 2.70 | 3.37 | 3.36 | 3.07 |
| !!! | 4.44 | 5.40 | 4.00 | 4.54 | 2.00 | 0.00 | 0.04 | 0.50 |
| lissouri | 4.14 | 5.13 | 4.82 | 4.51 | 3.86 | 3.20 | 2.61 | 2.59 |
| lontana | 3.24 | 4.13 | 3.60 | 3.05 | 2.81 | 3.18 | 2.52 | 2.98 |
| lebraska | 2.85 | 4.83 | 3.30 | 3.50 | 3.41 | 3.04 | 2.71 | 2.45 |
| evada | 3.26 | 3.83 | 3.48 | 3.36 | 3.17 | 2.90 | 2.45 | 2.61 |
| lew Hampshire | 3.86 | 4.47 | 5.03 | 4.64 | 4.17 | 4.09 | 4.06 | 3.99 |
| lew Jersey | 3.69 | 3.71 | 3.93 | 3.88 | 4.55 | 3.78 | 3.23 | 3.47 |
| ew Mexico | 1.66 | 2.07 | 1.60 | 1.40 | 1.22 | 1.18 | 1.40 | 1.69 |
| ew York | 2.61 | 2.91 | 3.13 | 3.17 | 3.18 | 3.40 | 3.50 | 3.38 |
| orth Carolina | 3.68 | 3.94 | 3.75 | 3.75 | 3.69 | 3.95 | 3.60 | 3.66 |
| orth Dakota | 2.54 | 3.44 | 2.90 | 2.78 | 2.64 | 2.62 | 2.45 | 2.82 |
| hio | 6.12 | 5.58 | 4.53 | 8.17 | 4.87 | 4.06 | 3.90 | 3.80 |
| klahoma | 2.53 | 2.65 | 2.51 | 2.40 | 2.61 | 2.53 | 2.58 | 2.60 |
| regon | 2.98 | 3.15 | 3.89 | 2.40 | 2.40 | 2.27 | 2.19 | 1.96 |
| ennsylvania | 4.39 | 4.86 | 5.13 | 4.62 | 3.90 | 4.25 | 3.32 | 3.16 |
| hode Island | 5.94 | 6.51 | 7.46 | 6.42 | 5.06 | 3.53 | 3.85 | 3.10 |
| outh Carolina | 2.52 | 2.07 | 4.04 | 2.40 | 2.00 | 2.00 | 2.24 | 0.77 |
| outh Carolina | 3.53 | 3.87 | 4.01 | 3.49 | 3.96 | 3.96 | 3.94 | 3.77 |
| outh Dakota | 3.40 | 6.37 | 4.74 | 3.96 | 2.92 | 2.63 | 2.84 | 2.79 |
| ennessee | 3.40 | 3.70 | 3.48 | 3.67 | 3.72 | 3.28 | 3.29 | 4.56 |
| exas | 2.87 | 2.97 | 3.04 | 2.91 | 2.81 | 3.13 | 3.05 | 3.13 |
| tah | 2.22 | 2.08 | 2.15 | 2.12 | 1.93 | 1.98 | 2.34 | 2.10 |
| ermont | 2.36 | 2.69 | 3.68 | 3.01 | 2.66 | 3.10 | 2.83 | 2.82 |
| irginia | 3.40 | 4.42 | 4.52 | 4.93 | 4.00 | 3.38 | 3.58 | 3.36 |
| /ashington | 2.71 | 3.21 | 3.57 | 3.39 | 2.30 | 2.23 | 1.99 | 2.12 |
| /est Virginia | 3.74 | 4.43 | 3.85 | 3.49 | 3.54 | 3.21 | 3.36 | 3.54 |
| /isconsin | 4.11 | 4.98 | 4.80 | 5.09 | 3.43 | 3.48 | 2.88 | 2.78 |
| /yoming | 2.84 | 2.92 | 2.44 | 2.40 | 2.12 | 2.32 | 3.07 | 2.45 |
| Total | 2.05 | 2.40 | 2.40 | 2 44 | 2.40 | 2.00 | 2.47 | 0.40 |
| Total | 3.05 | 3.46 | 3.49 | 3.41 | 3.18 | 3.22 | 3.17 | 3.16 |

R = Revised Data.
NA = Not Available.
- = Not Applicable.

Notes: Geographic coverage is the 50 States and the District of Columbia. Prices in this table represent the average price of natural gas by State at the point where the gas transferred from a pipeline to a local distribution company within the State. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 20. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1995-1997

(Dollars per Thousand Cubic Feet)

| 01-1- | YTD YTD | | | | | 1997 | 1997 | | | | | | |
|---------------------|---------|------------|-------|------------|-------------------|-------------------|-------------------|-------------------|--|--|--|--|--|
| State | 1997 | 1996 | 1995 | September | August | July | June | Мау | | | | | |
| Nahama | 0.50 | 7.00 | 0.00 | 44.00 | 44.70 | 44.00 | 40.45 | 0.00 | | | | | |
| labama | 8.56 | 7.06 | 6.99 | 11.62 | 11.70 | 11.26 | 10.45 | 8.69 | | | | | |
| laska | 3.83 | 3.44 | 3.65 | 3.94 | 4.66 | 4.43 | 4.27 | 3.88 | | | | | |
| rizona | 7.57 | 7.57 | 7.84 | 9.10 | 10.54 | 10.05 | 9.59 | 8.68 | | | | | |
| rkansas | 6.67 | 5.73 | 5.64 | 9.53 | 9.25 | 8.64 | 8.23 | 6.93 | | | | | |
| alifornia | 6.59 | 6.47 | 6.55 | 7.42 | 7.57 | 7.05 | 7.71 | 6.38 | | | | | |
| olorado | 3.88 | 4.45 | 4.88 | NA | NA | NA | NA | NA | | | | | |
| connecticut | 10.49 | 9.96 | 10.06 | 11.58 | 11.48 | 11.35 | 10.71 | 10.71 | | | | | |
| elaware | 8.35 | 6.90 | 6.61 | 11.91 | 11.94 | 11.69 | 10.13 | 8.93 | | | | | |
| istrict of Columbia | 9.19 | 8.95 | 8.17 | 11.34 | 8.40 | 8.46 | 8.28 | 9.18 | | | | | |
| lorida | 12.46 | 10.54 | 9.75 | 14.96 | 15.05 | 14.65 | 14.15 | 13.36 | | | | | |
| eorgia | 8.12 | 6.70 | 6.77 | 10.57 | 11.75 | 11.87 | 12.38 | 10.42 | | | | | |
| awaii | 22.02 | 19.65 | 17.34 | 21.33 | 21.61 | 21.17 | 21.51 | 21.78 | | | | | |
| daho | 5.09 | 5.23 | 5.65 | NA NA | 6.51 | 6.16 | 5.81 | 5.26 | | | | | |
| linois | 6.11 | 5.29 | 4.88 | 8.00 | 7.87 | 7.83 | 7.93 | 5.43 | | | | | |
| | | 5.∠9 NA | | | | | | | | | | | |
| ndiana | 6.59 | | 5.67 | 8.77 | 9.40 | 10.18 | 8.85 | 7.23 | | | | | |
| owa | 6.16 | 5.41 | 5.23 | 11.19 | 10.25 | 9.53 | 8.08 | 6.21 | | | | | |
| ansas | 6.51 | 5.52 | 4.78 | 8.54 | 8.27 | 7.54 | R8.03 | 6.24 | | | | | |
| entucky | 6.46 | 5.32 | 5.32 | 7.94 | 9.22 | 9.15 | 7.56 | 6.67 | | | | | |
| ouisiana | 7.22 | 6.53 | 5.85 | 9.42 | 8.76 | 8.41 | 8.45 | 7.52 | | | | | |
| laine | 8.59 | 7.77 | 7.42 | 9.46 | 9.25 | 9.69 | 8.39 | 7.95 | | | | | |
| laryland | 8.15 | NA | 6.68 | 10.72 | R11.35 | R10.88 | ^R 9.62 | ^R 8.26 | | | | | |
| lassachusetts | 9.46 | 8.78 | 9.06 | 10.09 | 10.39 | 9.86 | 8.32 | 7.49 | | | | | |
| lichigan | 5.16 | 4.89 | 4.75 | 6.81 | 7.26 | 6.88 | 6.15 | 5.10 | | | | | |
| linnesota | 5.79 | 5.30 | 4.76 | | | | 6.36 | 5.32 | | | | | |
| lississippi | 6.23 | NA | 5.25 | 7.62 NA | 7.17 NA | 7.06 NA | 7.36 | 6.91 | | | | | |
| lissouri | 6.50 | 5.89 | 5.07 | 9.59 | 9.38 | 8.77 | 7.53 | 5.88 | | | | | |
| | 4.90 | 4.85 | 5.22 | | 6.98 | | 6.10 | | | | | | |
| lontana | | | | 6.73 | | 7.46 | | 5.00 | | | | | |
| ebraska | 5.70 | 4.72 | 4.79 | 7.90 | ^R 7.72 | ^R 7.43 | 6.32 | 4.65 | | | | | |
| evada | 6.18 | 6.24 | 6.79 | 7.95 NA | 7.99 | 7.58 | 7.31 | 6.63 | | | | | |
| lew Hampshire | 8.50 | 7.08 | 7.08 | NA. | 9.17 | 9.01 | 7.59 | 6.62 | | | | | |
| ew Jersey | 7.92 | 7.14 | 7.28 | 9.80 | 9.82 | 9.62 | 9.38 | 8.30 | | | | | |
| ew Mexico | 6.61 | 4.68 | 5.54 | 10.84 | 11.07 | 11.66 | 40.76 | 6.53 | | | | | |
| ew York | 9.61 | NA | 8.40 | NA | NA | NA | NA | NA | | | | | |
| orth Carolina | 9.25 | 7.38 | 7.07 | 13.11 | 13.15 | 12.42 | 10.31 | 8.58 | | | | | |
| lorth Dakota | 4.65 | 4.68 | 4.68 | 7.54 | 7.02 | 7.05 | 6.37 | 5.10 | | | | | |
| hio | 6.87 | 5.63 | 5.61 | 8.29 | 8.46 | 8.71 | 7.55 | 6.74 | | | | | |
| klahoma | 6.43 | 5.57 | 5.55 | 9.28 | 9.36 | 8.95 | 8.14 | 6.80 | | | | | |
| regon | 6.11 | 6.35 | 6.78 | 7.88 | 8.12 | 7.53 | 7.21 | 6.38 | | | | | |
| ennsylvania | 8.44 | 7.20 | 7.61 | 11.12 | 11.50 | 11.78 | 10.15 | 8.88 | | | | | |
| thode Island | 9.67 | NA NA | 7.01 | 12.10 | 12.53 | 12.30 | 10.15 | 9.70 | | | | | |
| | 0.04 | 7.00 | 7 70 | 10.45 | 10.24 | 0.70 | 9.00 | 0.00 | | | | | |
| outh Carolina | 8.81 | 7.29 NA | 7.79 | 10.15 | 10.24 | 9.73 | 8.96 | 8.09 | | | | | |
| outh Dakota | 5.58 | | 5.09 | 9.10 | 8.07 | 8.39 | 7.83 NA | 5.92 | | | | | |
| ennessee | 6.99 | 6.28 | 5.88 | 8.81 | 9.00 | 8.92 | | 6.49 | | | | | |
| exas | 6.48 | 5.82 | 6.01 | 8.67 | 8.91 | 8.38 | 7.83 | 6.42 | | | | | |
| tah | 5.02 | 4.43 | 4.79 | 5.55 | 5.94 | 5.61 | 5.67 | 5.80 | | | | | |
| ermont | 6.40 | 6.38 | 6.92 | 8.41 | 8.78 | 8.51 | 7.35 | 6.52 | | | | | |
| irginia | 8.77 | 7.69 | 7.53 | 12.27 | 12.45 | 12.40 | 10.70 | 9.05 | | | | | |
| /ashington | 5.57 | 5.68 | 5.96 | NA | NA | NA | 5.82 | 5.69 | | | | | |
| /est Virginia | 7.07 | 7.03 | 7.11 | 8.89 | 9.58 | 10.39 | 8.47 | 7.26 | | | | | |
| /isconsin | 6.52 | 5.90 | 5.87 | 6.86 | NA | 6.76 | NA | NA | | | | | |
| Vyoming | 4.11 | NA | NA | 6.09 | ^R 6.31 | R5.83 | ^R 5.25 | 3.23 | | | | | |
| | | | | | | | | | | | | | |

Table 20. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1995-1997

| | | 1: | 997 | | 1996 | | | | |
|---------------------|-------------------|-------------------|-------------------|-------------------|--------------|--------------|--------------|--------------|--|
| State | April | March | February | January | Total | December | November | Octobe | |
| | | | = 0.4 | 7.00 | 7.00 | | | 0 = 4 | |
| labama | 9.21 | 8.65 | 7.61 | 7.62 | 7.22 | 7.36 | 7.83 | 9.71 | |
| llaska | 3.75 | 3.79 | 3.66 | 3.63 | 3.42 | 3.32 | 3.37 | 3.46 | |
| rizona | 7.93 | 7.03 | 6.81 | 6.62 | 7.52 | 6.85 | 7.43 | 9.28 | |
| rkansas | 6.40 | 6.14 | 6.09 | 6.48 | 5.92 | 6.64 | 6.05 | 7.06 | |
| California | 6.18 | 6.42 | 6.27 | 6.27 | 6.44 | 6.20 | 6.41 | 6.67 | |
| Colorado | 3.92 | NA | NA | NA | 4.39 | 3.94 | 4.31 | 4.99 | |
| Connecticut | 10.07 | 9.66 | 10.96 | 10.41 | 10.08 | 10.49 | 10.26 | 10.58 | |
| elaware | 8.25 | 7.94 | 7.75 | 7.54 | 7.12 | 7.59 | 7.90 | 9.08 | |
| istrict of Columbia | 8.74 | 8.57 | 9.36 | 9.81 | 9.19 | 10.22 | 9.18 | 10.25 | |
| lorida | 12.89 | 12.12 | 10.69 | 10.57 | 10.74 | 10.47 | 11.98 | 13.01 | |
| Georgia | 6.23 | 8.88 | 7.47 | 6.53 | 6.69 | 6.75 | 5.83 | 8.51 | |
| awaii | 21.30 | 22.29 | 25.55 | 21.14 | 19.81 | 19.51 | 20.71 | 20.95 | |
| | | | | | | | | | |
| daho | 5.10 | 4.95 | 4.80 | 4.81 | 5.20 | 4.89 | 5.22 | 5.60 | |
| linois | 5.10 | 5.28 | 6.50 | 6.15 | 5.28 | 5.13 | 5.05 | 5.93 | |
| ndiana | 6.70 | 6.28 | 6.06 | 5.82 | 5.54 | 5.65 | 5.52 | 6.55 | |
| owa | 5.24 | 5.58 | 6.01 | 5.57 | 5.49 | 5.71 | 5.30 | 6.66 | |
| ansas | 6.04 | 5.98 | 6.58 | 6.33 | 5.59 | 5.75 | 5.47 | 6.48 | |
| Centucky | 6.84 | 6.32 | 6.02 | 5.87 | 5.54 | 6.10 | 5.73 | 6.62 | |
| ouisiana | 6.09 | 6.28 | 6.85 | 7.34 | 6.76 | 7.30 | 7.75 | 8.31 | |
| laine | 9.05 | 8.65 | 8.66 | 8.10 | 7.84 | 8.53 | 8.05 | 7.04 | |
| laryland | ^R 8.14 | ^R 7.31 | ^R 7.64 | ^R 7.68 | 7.60 | 7.81 | 7.30 | 8.45 | |
| lassachusetts | 9.90 | 9.70 | 9.62 | NA | 8.88 | 9.53 | 9.52 | 7.54 | |
| | 4.92 | 4.82 | 4.94 | 5.04 | 4.96 | 5.07 | 5.01 | 5.58 | |
| lichigan | | | | | | | | | |
| 1innesota1innesota | 4.66 6.42 | 4.81 5.49 | 5.81 5.61 | 6.50 6.17 | 5.46 5.72 | 6.18 6.58 | 5.47 6.28 | 5.48 6.35 | |
| | | | | | | | | | |
| lissouri | 5.31 | 5.70 | 6.50 | 6.67 | 5.97 | 6.02 | 5.94 | 7.58 | |
| Iontana | 4.73 | 4.69 | 4.49 | 4.47 | 4.86 | 4.59 | 4.89 | 5.53 | |
| lebraska | 4.91 | 4.86 | 5.75 | 6.21 | 4.88 | 5.35 | 5.01 | 5.59 | |
| levada | 6.16 | 5.78 | 5.76 | 5.54 | 6.19 | 5.69 | 6.05 | 7.40 | |
| lew Hampshire | 6.62 | 9.36 | 9.24 | 9.10 | 7.40 | 8.41 | 8.67 | 7.05 | |
| lew Jersey | 7.71 | 7.42 | 7.47 | 7.67 | 7.16 | 7.02 | 7.29 | 7.66 | |
| lew Mexico | 8.78 | 4.46 | 5.09 | 5.81 | 4.47 | 3.72 | 3.80 | 5.80 | |
| lew York | NA NA | NA NA | NA NA | NA NA | 8.90 | NA NA | NA NA | NA NA | |
| lorth Carolina | 8.68 | 9.59 | 8.76 | 8.77 | 7.59 | 7.90 | 8.21 | 9.93 | |
| lorth Dakota | 4.10 | 4.14 | 4.32 | 4.43 | 4.54 | 4.34 | 3.84 | 4.66 | |
| | 6.00 | 6.54 | | 6.70 | F 00 | 6.00 | 6.50 | 7.00 | |
| Phio | 6.60 | 6.51 | 6.83 | 6.72 | 5.90 | 6.29 | 6.56 | 7.29 | |
| oklahoma | 5.96 | 5.66 | 5.79 | 6.44 | 5.64 | 5.32 | 5.99 | 8.12 | |
| regon _. | 6.04 | 5.85 | 5.76 | 5.73 | 6.31 | 5.95 | 6.30 | 7.01 | |
| ennsylvania | 8.41 | 8.05 | 8.05 | 7.64 | 7.38 | 7.60 | 7.80 | 8.60 | |
| Rhode Island | 9.67 | 9.39 | 9.18 | 8.79 | 8.49 | 8.68 | 9.36 | 9.90 | |
| outh Carolina | 8.36 | 9.24 | 8.69 | 8.67 | 7.41 | 7.85 | 7.50 | 8.21 | |
| outh Dakota | 4.95 | 4.83 | 5.09 | 5.50 | 5.25 | 5.39 | 5.41 | 5.94 | |
| ennessee | 6.39 | NA NA | 7.00 | 6.84 | 6.26 | 6.17 | 5.93 | 7.07 | |
| exas | 5.66 | 5.56 | 6.05 | 6.35 | 5.89 | 6.14 | 5.34 | 7.07 | |
| tah | 4.16 | 5.14 | 4.89 | 4.91 | 4.47 | 4.75 | 4.81 | 3.79 | |
| ormont | 6 22 | 6 00 | 6.04 | 6.04 | 6.40 | 6 10 | 6.42 | 7 04 | |
| ermont | 6.23 | 6.08 | 6.04 | 6.04 | 6.40 | 6.19 | 6.42 | 7.21 | |
| irginia | 8.12 | 7.56 | 8.07 | 8.87 | 7.94 | 8.48 | 8.26 | 9.78 | |
| /ashington | 5.68 | 5.48 | 5.40 | 5.39 | 5.65 | 5.44 | 5.60 | 6.09 | |
| Vest Virginia | 6.91 | 6.80 | 6.67 | 6.68 | 7.02 | 6.80 | 7.01 | 7.55 | |
| Visconsin | NA | _5.96 | _6.66 | _7.08 | 6.04 | 6.87 | 6.25 | 5.02 | |
| Vyoming | 4.73 | ^R 4.01 | ^R 3.91 | R3.51 | 4.26 | 3.97 | 3.75 | 3.95 | |
| | | | ^R 6.75 | ^R 6.71 | 6.34 | 6.47 | | 7.05 | |

Table 20. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1995-1997

| 04-4- | 1996 | | | | | | | | | | |
|----------------------------|----------------|----------------|----------------|--------------|--------------|--------------|--------------|--------------|--|--|--|
| State | September | August | July | June | Мау | April | March | February | | | |
| Alabama | 10.63 | 10.98 | 10.77 | 10.56 | 8.10 | 6.89 | 6.84 | 6.35 | | | |
| Alaska | 3.77 | 3.82 | 3.87 | 3.71 | 3.53 | 3.40 | 3.34 | 3.30 | | | |
| Arizona | 10.06 | 10.40 | 10.02 | 9.35 | 8.70 | 7.59 | 6.99 | 6.82 | | | |
| Arkansas | 7.75 | 8.30 | 8.44 | 7.88 | 6.75 | 5.46 | 5.42 | 5.27 | | | |
| California | 5.94 | 6.85 | 8.28 | 6.99 | 6.39 | 6.01 | 6.21 | 6.33 | | | |
| Colorado | 6.38 | 6.74 | 6.23 | 5.18 | 4.49 | 4.27 | 4.16 | 4.08 | | | |
| Connecticut | 10.65 | 10.69 | 10.34 | 9.94 | 9.62 | 10.06 | 9.80 | 9.85 | | | |
| Delaware | 10.58 | 10.19 | 10.27 | 8.92 | 7.83 | 6.75 | 6.42 | 6.29 | | | |
| District of Columbia | 10.78 | 7.82 | 8.11 | 9.37 | 10.22 | 10.58 | 9.31 | 8.75 | | | |
| Florida | 13.39 | 13.65 | 12.96 | 12.84 | 11.82 | 10.31 | 9.94 | 9.35 | | | |
| Georgia | 10.32 | 10.50 | 10.98 | 11.40 | 10.48 | 7.33 | 5.56 | 5.99 | | | |
| Hawaii | 20.47 | 20.50 | 20.81 | 20.12 | 20.44 | 19.20 | 19.12 | 18.73 | | | |
| daho | 6.11 8.14 | 6.47 9.26 | 6.35 8.43 | 5.71 8.21 | 5.39 6.76 | 5.29 5.51 | 5.07 4.91 | 4.99 4.55 | | | |
| llinoisndiana | 8.37 | 9.26 8.68 | 8.43 8.47 | 8.21 7.81 | 6.50 | 5.71 | 5.05 | 4.55 | | | |
| ilularia | 0.37 | 0.00 | 0.47 | 7.01 | 0.30 | 5.71 | 5.05 | 4.04 | | | |
| OWA | 9.16 7.09 | 12.66 8.27 | 8.87 7.06 | 7.86 7.60 | 6.18 6.74 | 5.08 5.64 | 4.76 5.26 | 4.80 5.11 | | | |
| KansasKansasKansas | 7.09 7.85 | 8.39 | 8.10 | 7.50 | 7.21 | 5.11 | 5.26 | 4.69 | | | |
| ouisiana | 8.41 | 8.66 | 9.30 | 8.53 | 8.19 | 7.01 | 5.64 | 5.44 | | | |
| Maine | 8.23 | 8.90 | 8.57 | 8.06 | 7.62 | 8.27 | 7.88 | 7.78 | | | |
| Maryland | 10.11 | 10.95 | 10.87 | 9.91 | 8.57 | 7.35 | 7.15 | 6.99 | | | |
| Massachusetts | 9.30 | 9.56 | 9.10 | 7.89 | 6.06 | 9.48 | 9.08 | 9.05 | | | |
| /lichigan | 6.55 | 7.32 | 7.18 | 6.55 | 5.20 | 4.79 | 4.44 | 4.60 | | | |
| Minnesota | 6.67 | 7.67 | 7.50 | 6.71 | 5.77 | 5.38 | 4.97 | 4.88 | | | |
| Mississippi | 6.35 | 6.40 | 6.47 | 6.36 | 6.16 | 5.64 | 5.54 | 4.91 | | | |
| Missouri | 9.53 | 10.20 | 9.53 | 8.45 | 6.87 | 5.71 | 5.47 | 5.31 | | | |
| Montana | 6.18 | 6.64 | 6.30 | 5.29 | 4.91 | 4.68 | 4.62 | 4.56 | | | |
| Nebraska | 6.74 | 7.02 | 6.76 | 5.95 | 5.22 | 4.68 | 4.46 | 4.29 | | | |
| Nevada | 7.91 | 8.13 | 7.66 | 7.04 | 6.68 | 6.22 | 5.86 | 5.76 | | | |
| New Hampshire | 8.26 | 8.58 | 8.45 | 7.29 | 6.18 | 5.94 | 7.37 | 7.25 | | | |
| New Jersey | 8.73 | 8.72 | 8.96 | 8.73 | 7.15 | 7.34 | 6.84 | 6.77 | | | |
| New Mexico | 8.53 NA | 7.36 NA | 4.61 | 4.37 | 11.89 | 4.79 | 4.72 | 4.33 | | | |
| New York | | | 11.08 | 10.03 | 8.80 | 8.39 | 8.12 | 8.22 | | | |
| North Carolina | 12.45 | 12.81 | 11.13 | 11.48 | 9.07 | 7.31 | 7.54 | 6.83 | | | |
| North Dakota | 6.20 | 7.43 | 7.25 | 6.58 | 5.04 | 4.59 | 4.07 | 4.44 | | | |
| Ohio | 8.41 | 8.98 | 8.10 | 7.07 | 6.34 | 5.39 | 5.35 | 5.40 | | | |
| Oklahoma | 9.14 | 9.58 | 9.30 | 8.54 | 6.96 | 5.28 | 5.16 | 4.82 | | | |
| Oregon | 7.85 | 8.28 | 7.81 | 6.99 | 6.56 | 6.40 | 6.23 | 5.72 | | | |
| PennsylvaniaRhode Island | 10.61 11.21 | 10.70 11.29 | 10.46 11.05 | 9.10 9.82 | 8.16 8.39 | 7.30 8.48 | 6.68 8.06 | 6.62 7.88 | | | |
| | | | | | | | | | | | |
| South CarolinaSouth Dakota | 9.27 7.62 | 9.72 11.79 | 9.58 8.33 | 8.85 6.65 | 7.90 5.65 | 6.78 5.21 | 7.47 4.36 | 7.20 4.67 | | | |
| Tennessee | 8.46 | 8.77 | 8.44 | 8.30 | 7.25 | 6.62 | 6.43 | 5.97 | | | |
| Texas | 7.86 | 8.37 | 8.00 | 7.33 | 6.98 | 6.13 | 5.44 | 5.17 | | | |
| Jtah | 4.15 | 5.19 | 4.99 | 5.40 | 4.59 | 3.90 | 4.94 | 3.97 | | | |
| /ermont | 8.41 | 8.92 | 8.73 | 7.49 | 6.59 | 6.24 | 6.09 | 6.02 | | | |
| /irginia | 11.94 | 12.50 | 12.40 | 10.73 | 8.78 | 7.53 | 6.88 | 7.23 | | | |
| Vashington | 6.87 | 7.32 | 6.72 | 6.12 | 5.74 | 5.64 | 5.46 | 5.39 | | | |
| West Virginia | 9.22 | 10.24 | 9.73 | 9.17 | 7.52 | 6.91 | 6.71 | 6.66 | | | |
| Wisconsin | 6.01 | 6.73 | 6.71 | 6.03 | 5.58 | 5.92 | 5.89 | 5.77 | | | |
| Wyoming | 5.29 | 5.68 | 5.71 | 5.02 | 4.58 | 4.42 | 4.29 | 4.04 | | | |
| Total | 7.99 | 8.73 | 8.64 | 7.83 | 6.84 | 6.27 | 5.93 | 5.82 | | | |

R = Revised Data.

NA = Not Available.

Notes: Data for 1996 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia.

See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 21. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1995-1997

(Dollars per Thousand Cubic Feet)

| Alabama Alaska Arizona Arkansas California Colorado Connecticut Delaware District of Columbia Florida Georgia Hawaii Idaho Illinois Indiana Illinois I | 7.12 2.40 5.21 5.17 6.31 3.24 7.43 6.74 7.96 6.82 6.70 15.14 4.46 5.49 5.57 5.75 5.76 | 1996 6.11 2.32 5.02 4.50 5.98 3.76 7.38 5.71 7.19 6.46 5.83 14.13 4.58 4.85 NA | 5.88 2.27 5.33 4.10 6.28 4.34 7.48 5.30 6.03 5.28 5.48 12.91 4.85 | 7.59 2.28 5.82 5.54 5.88 NA 6.59 7.28 8.11 6.94 | 7.50 2.02 5.34 5.18 5.00 NA 5.22 8.64 7.20 6.62 | 7.60 2.24 5.22 5.32 5.90 NA 5.90 7.91 6.92 6.98 | 7.22 2.15 5.21 5.37 6.32 NA 6.35 7.39 7.03 6.93 | 6.85 2.23 5.19 5.14 5.33 NA 7.00 6.82 6.87 6.89 |
|--|---|---|---|--|---|--|--|--|
| Alaska Arizona Arkansas California Colorado Connecticut Delaware District of Columbia Florida Georgia Hawaii daho Illinois Indiana Owa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Mississippi Missouri Montana Nebraska Nevada New Hampshire New Jersey New Mexico | 2.40 5.21 5.17 6.31 3.24 7.43 6.74 7.96 6.82 6.70 15.14 4.46 5.49 5.57 5.13 5.75 | 2.32 5.02 4.50 5.98 3.76 7.38 5.71 7.19 6.46 5.83 14.13 4.58 4.85 | 2.27 5.33 4.10 6.28 4.34 7.48 5.30 6.03 5.28 5.48 12.91 | 2.28 5.82 5.54 5.88 NA 6.59 7.28 8.11 6.94 | 2.02 5.34 5.18 5.00 NA 5.22 8.64 7.20 | 2.24 5.22 5.32 5.90 NA 5.90 7.91 6.92 | 2.15 5.21 5.37 6.32 NA 6.35 7.39 7.03 | 2.23 5.19 5.14 5.33 NA 7.00 6.82 6.87 |
| Alaska Arizona Arkansas California Colorado Connecticut Delaware District of Columbia Clorida | 2.40 5.21 5.17 6.31 3.24 7.43 6.74 7.96 6.82 6.70 15.14 4.46 5.49 5.57 5.13 5.75 | 2.32 5.02 4.50 5.98 3.76 7.38 5.71 7.19 6.46 5.83 14.13 4.58 4.85 | 2.27 5.33 4.10 6.28 4.34 7.48 5.30 6.03 5.28 5.48 12.91 | 2.28 5.82 5.54 5.88 NA 6.59 7.28 8.11 6.94 | 2.02 5.34 5.18 5.00 NA 5.22 8.64 7.20 | 2.24 5.22 5.32 5.90 NA 5.90 7.91 6.92 | 2.15 5.21 5.37 6.32 NA 6.35 7.39 7.03 | 2.23 5.19 5.14 5.33 NA 7.00 6.82 6.87 |
| Arizona Arkansas California Colorado Connecticut Delaware District of Columbia Clorida | 5.21 5.17 6.31 3.24 7.43 6.74 7.96 6.82 6.70 15.14 4.46 5.49 5.57 5.13 5.75 | 5.02 4.50 5.98 3.76 7.38 5.71 7.19 6.46 5.83 14.13 4.58 4.85 | 5.33 4.10 6.28 4.34 7.48 5.30 6.03 5.28 5.48 12.91 | 5.82 5.54 5.88 NA 6.59 7.28 8.11 6.94 | 5.34 5.18 5.00 NA 5.22 8.64 7.20 | 5.22 5.32 5.90 NA 5.90 7.91 6.92 | 5.21 5.37 6.32 NA 6.35 7.39 7.03 | 5.19 5.14 5.33 NA 7.00 6.82 6.87 |
| Arkansas California Colorado Connecticut Delaware District of Columbia Clorida Calorida Calor | 5.17 6.31 3.24 7.43 6.74 7.96 6.82 6.70 15.14 4.46 5.49 5.57 5.13 5.75 | 4.50 5.98 3.76 7.38 5.71 7.19 6.46 5.83 14.13 4.58 4.85 | 4.10 6.28 4.34 7.48 5.30 6.03 5.28 5.48 12.91 | 5.54 5.88 NA 6.59 7.28 8.11 6.94 | 5.18 5.00 NA 5.22 8.64 7.20 | 5.32 5.90 NA 5.90 7.91 6.92 | 5.37 6.32 NA 6.35 7.39 7.03 | 5.14 5.33 NA 7.00 6.82 6.87 |
| california colorado connecticut lelaware listrict of Columbia lorida coorgia lawaii daho linois ndiana cowa cansas centucky cousiana laine dassachusetts lichigan linnesota lissouri lontana lebraska levada lew Hampshire lew Jersey lew Mexico | 6.31 3.24 7.43 6.74 7.96 6.82 6.70 15.14 4.46 5.49 5.57 5.13 5.75 | 5.98 3.76 7.38 5.71 7.19 6.46 5.83 14.13 4.58 4.85 | 6.28 4.34 7.48 5.30 6.03 5.28 5.48 12.91 | 5.88 NA 6.59 7.28 8.11 6.94 | 5.00 NA 5.22 8.64 7.20 | 5.90 NA 5.90 7.91 6.92 | 6.32 NA 6.35 7.39 7.03 | 5.33 NA 7.00 6.82 6.87 |
| California California Colorado Connecticut Delaware District of Columbia Coorgia California Coorgia California Coorgia California Coorgia California Calif | 3.24 7.43 6.74 7.96 6.82 6.70 15.14 4.46 5.49 5.57 5.13 5.75 | 3.76 7.38 5.71 7.19 6.46 5.83 14.13 4.58 4.85 | 4.34 7.48 5.30 6.03 5.28 5.48 12.91 | NA 6.59 7.28 8.11 6.94 | NA 5.22 8.64 7.20 | NA 5.90 7.91 6.92 | NA 6.35 7.39 7.03 | NA 7.00 6.82 6.87 |
| connecticut lelaware listrict of Columbia lorida lo | 7.43 6.74 7.96 6.82 6.70 15.14 4.46 5.49 5.57 5.13 5.75 | 7.38 5.71 7.19 6.46 5.83 14.13 4.58 4.85 | 7.48 5.30 6.03 5.28 5.48 12.91 | 6.59 7.28 8.11 6.94 | 5.22 8.64 7.20 | 5.90 7.91 6.92 | 6.35 7.39 7.03 | 7.00 6.82 6.87 |
| connecticut lelaware listrict of Columbia lorida lo | 7.43 6.74 7.96 6.82 6.70 15.14 4.46 5.49 5.57 5.13 5.75 | 7.38 5.71 7.19 6.46 5.83 14.13 4.58 4.85 | 7.48 5.30 6.03 5.28 5.48 12.91 | 7.28 8.11 6.94 | 8.64 7.20 | 7.91 6.92 | 7.39 7.03 | 6.82 6.87 |
| Delaware District of Columbia | 6.74 7.96 6.82 6.70 15.14 4.46 5.49 5.57 5.13 5.75 | 5.71 7.19 6.46 5.83 14.13 4.58 4.85 | 5.30 6.03 5.28 5.48 12.91 | 7.28 8.11 6.94 | 8.64 7.20 | 7.91 6.92 | 7.39 7.03 | 6.82 6.87 |
| district of Columbia lorida lo | 7.96 6.82 6.70 15.14 4.46 5.49 5.57 5.13 5.75 | 7.19 6.46 5.83 14.13 4.58 4.85 | 6.03 5.28 5.48 12.91 | 8.11 6.94 | 7.20 | 6.92 | 7.03 | 6.87 |
| lorida | 6.82 6.70 15.14 4.46 5.49 5.57 5.13 5.75 | 6.46 5.83 14.13 4.58 4.85 | 5.28 5.48 12.91 | 6.94 | | | | |
| lawaii | 15.14 4.46 5.49 5.57 5.13 5.75 | 14.13 4.58 4.85 | 12.91 | 6.28 | | | 0.55 | 0.03 |
| lawaii | 15.14 4.46 5.49 5.57 5.13 5.75 | 14.13 4.58 4.85 | 12.91 | p.∠ი | 7.00 | 7.60 | 7.60 | 6.20 |
| laho | 4.46 5.49 5.57 5.13 5.75 | 4.58 4.85 | | | 7.00 | 7.60 | 7.68 | 6.30 |
| linois | 5.49 5.57 5.13 5.75 | 4.85 | 4 85 | 14.62 NA | 15.09 | 15.07 | 15.37 | 15.25 |
| ndiana | 5.57 5.13 5.75 | | | | 4.83 | 4.76 | 4.78 | 4.66 |
| dansas | 5.13 5.75 | NA | 4.59 | 6.24 | 6.10 | 5.68 | 5.55 | 4.93 |
| ansas | 5.75 | | 4.62 | 6.05 | 6.07 | 6.50 | 6.28 | 6.15 |
| entucky | | 4.35 | 4.18 | 7.44 | 6.44 | 5.68 | 6.05 | 4.88 |
| entucky | 5.76 | 4.55 | 3.90 | 5.66 | 5.21 | 5.11 | 5.45 | 5.25 |
| ouisiana flaine flaryland flassachusetts flichigan flinnesota flississippi flissouri flontana flebraska flevada flew Hampshire flew Jersey flew Mexico | 3.70 | 4.84 | 4.74 | 5.90 | 5.95 | 6.20 | 6.00 | 5.53 |
| Maine | 6.21 | 5.95 | 4.98 | 6.77 | 5.94 | 5.39 | 6.19 | 6.08 |
| Assachusetts | 7.77 | 6.97 | 6.56 | 7.61 | 7.16 | 7.12 | 6.94 | 6.67 |
| lassachusetts iichigan iinnesota iississippi lissouri lontana ebraska evada ew Hampshire ew Jersey ew Mexico | 6.36 | 6.06 | 5.03 | 6.89 | 6.22 | 6.16 | ^R 6.52 | R6.05 |
| lichigan linnesota lississippi lissouri lontana lebraska evada lew Hampshire lew Jersey lew Mexico | 7.26 | 6.64 | 6.59 | 5.45 | 5.53 | 5.34 | 5.04 | 5.44 |
| linnesota lississippi lissouri lontana lebraska levada lew Hampshire lew Jersey lew Mexico | 4.91 | 4.66 | 4.46 | 5.97 | 5.96 | 5.81 | 5.44 | 4.82 |
| lississippi | 4.85 | 4.46 | 3.93 | 4.99 | 4.41 | 4.44 | 4.50 | 3.99 |
| lontanaebraskaevadaew Hampshireew Jerseyew Mexico | 5.05 | 5.24 | 4.29 | 4.99 NA | NA NA | 4.44 NA | 4.79 | 5.08 |
| lontanaebraskaevadaew Hampshireew Jerseyew Mexico | 5.70 | F 00 | 4.07 | 5.70 | 5.40 | 5.44 | 4.00 | |
| lebraskalevada lew Hampshirelew Jerseylew Mexico | 5.73 | 5.26 | 4.27 | 5.70 | 5.19 | 5.11 | 4.86 | 4.39 |
| levadalew Hampshirelew Jerseylew Mexico | 4.64 | 4.64 | 4.98 | 4.39 | 5.73 | 5.62 | 5.39 | 4.81 |
| lew Hampshirelew Jerseylew Mexico | 4.05 | NA | NA | 4.33 | R4.40 | ^R 4.37 | 4.35 | NA |
| lew Jerseylew Mexico | 5.03 | 4.90 | 5.46 | 5.22 | 5.22 | 5.11 | 5.07 | 5.12 |
| lew Mexico | 7.71 | 6.49 | 6.42 | NA | 6.47 | 6.49 | 6.20 | 5.86 |
| | 6.16 | 6.25 | 5.59 | 4.27 | 4.43 | 4.32 | 4.38 | 5.77 |
| | 4.73 | 3.36 | 4.00 | 5.12 | 5.35 | 5.47 | 7.67 | 4.23 |
| ew York | 6.65 | NA | 6.21 | NA | NA | NA | NA | NA |
| orth Carolina | 7.09 | 6.02 | 5.27 | 6.46 | 6.44 | 6.44 | 5.99 | 6.02 |
| orth Dakota | 4.09 | 4.07 | 3.93 | 5.15 | 4.51 | 4.96 | 4.54 | 4.25 |
| hio | 6.43 | 5.13 | 5.01 | 6.54 | 6.82 | 6.76 | 7.39 | 6.08 |
| | | | | | 4.94 | 4.93 | | |
| klahoma | 5.54 | 4.62 | 4.51 5.25 | 5.02 | | | 5.15 | 4.97 |
| Pregon | 4.62 | 4.87 | 5.25 | 4.82 | 4.89 | 4.76 | 4.79 | 4.62 |
| ennsylvaniahode Island | 7.53 8.27 | 6.32 7.38 | 6.53 6.39 | 7.68 8.77 | 7.92 9.12 | 8.12 8.96 | 8.13 8.77 | 7.99 8.07 |
| | | | | | | | | |
| outh Carolina | 6.40 | 6.17 | 6.22 | 3.26 | 6.03 | 5.90 | 5.92 | 5.92 |
| outh Dakota | 4.53 | NA | 4.05 | 6.51 | 5.22 | 5.44 | 6.09 | 4.77 |
| ennessee | 5.98 | 5.77 | 5.26 | 6.07 | 5.81 | 5.91 | NA | 5.39 |
| exas | 4.95 | 4.09 | 4.06 | 4.84 | 4.40 | 4.51 | 4.80 | 4.60 |
| tah | 3.69 | 3.28 | 3.59 | 3.99 | 4.02 | 3.82 | 3.60 | 3.37 |
| ermont | 5.23 | 5.28 | 5.52 | 5.01 | 5.43 | 5.42 | 5.41 | 5.58 |
| irginia | 6.48 | 5.77 | 5.19 | 6.60 | 6.58 | 6.68 | 6.10 | 6.31 |
| /ashington | 4.72 | 4.82 | 5.04 | NA NA | NA NA | NA NA | 4.66 | 4.83 |
| /est Virginia | 6.45 | 6.06 | 6.10 | 7.63 | 8.23 | 8.53 | 7.78 | 6.81 |
| | 5.34 | 4.70 | 4.51 | 4.68 | NA | 4.60 | NA | NA |
| VisconsinVyoming | 3.50 | NA NA | 4.51 NA | 4.00 NA | ^R 4.31 | 4.60 R4.11 | R3.93 | 2.65 |
| Total | 5.76 | 5.34 | 5.12 | 5.62 | 5.48 | 5.56 | ^R 5.66 | 5.39 |

Table 21. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1995-1997

| | | 1 | 997 | | | 19 | 96 | |
|-----------------------|-------------------|-------------------|-------------------|-------------------|--------------|--------------|--------------|--------------|
| State | April | March | February | January | Total | December | November | Octobe |
| | | | | | | | | |
| labama | 7.11 | 7.26 | 6.92 | 6.97 | 6.19 | 6.52 | 6.31 | 6.60 |
| laska | 2.37 | 2.32 | 2.62 | 2.63 | 2.32 | 2.39 | 2.34 | 2.23 |
| rizona | 5.09 | 5.27 | 5.11 | 5.01 | 5.01 | 4.99 | 5.02 | 5.16 |
| rkansas | 4.90 | 4.86 | 5.07 | 5.42 | 4.68 | 5.59 | 5.02 | 4.72 |
| alifornia | 6.10 | 6.71 | 6.98 | 7.18 | 5.94 | 6.36 | 5.49 | 5.68 |
| olorado | 3.29 | NA | NA | NA | 3.67 | 3.32 | 3.41 | 3.69 |
| onnecticut | 7.24 | 7.66 | 8.45 | 8.09 | 7.41 | 7.90 | 7.84 | 6.19 |
| elaware | 6.61 | 6.47 | 6.54 | 6.33 | 5.82 | 6.19 | 5.96 | 6.39 |
| istrict of Columbia | 10.06 | 7.61 | 7.97 | 8.24 | 7.37 | 8.01 | 8.02 | 7.93 |
| lorida | 6.74 | 6.96 | 6.84 | 6.56 | 6.45 | 6.47 | 6.43 | 6.41 |
| eorgia | 5.57 | 7.53 | 6.66 | 6.44 | 5.89 | 6.33 | 5.72 | 6.08 |
| awaii | 15.34 | 15.72 | 15.07 | 14.72 | 14.40 | 15.13 | 15.31 | 15.35 |
| | 4.62 | 4.36 | 4.29 | 4.30 | 4.56 | 4.34 | 4.63 | 4.86 |
| laho | | | | | | | | |
| inois | 4.64 | 4.97 | 5.68 | 5.89 | 4.92 | 5.20 | 4.83 | 5.23 |
| diana | 5.97 | 5.37 | 5.43 | 5.14 | 4.67 | 4.98 | 4.66 | 5.01 |
| wa | 4.34 | 4.81 | 5.32 | 4.96 | 4.59 | 5.16 | 5.09 | 5.32 |
| ansas | 5.17 | 5.46 | 6.25 | 6.12 | 4.61 | 4.90 | 4.56 | 4.69 |
| entucky | 5.85 | 5.72 | 5.80 | 5.61 | 5.09 | 5.67 | 5.50 | 5.80 |
| ouisiana | 5.08 | 5.78 | 6.48 | 7.08 | 6.08 | 6.87 | 6.58 | 6.15 |
| laine | 8.28 | 8.10 | 8.12 | 7.75 | 7.09 | 7.87 | 7.58 | 6.17 |
| aryland | ^R 5.76 | ^R 6.11 | ^R 6.72 | ^R 6.60 | 6.07 | 6.61 | 5.69 | 5.88 |
| lassachusetts | 7.94 | 8.14 | 8.28 | 7.97 | 6.74 | 7.91 | 7.30 | 4.79 |
| lichigan | 4.63 | 4.71 | 4.80 | 4.99 | 4.75 | 4.97 | 4.85 | 5.24 |
| linnesota | 3.89 | 4.16 | 5.23 | 6.02 | 4.63 | 5.66 | 4.61 | 3.99 |
| lississippi | 4.93 | 4.61 | 5.17 | 5.61 | 5.22 | 5.73 | 4.86 | 4.31 |
| lissouri | 4.55 | 5.07 | 6.47 | 6.58 | 5.35 | 5.83 | 5.32 | 5.36 |
| Iontana | 4.52 | 4.57 | 4.45 | 4.46 | 4.64 | 4.49 | 4.68 | 5.07 |
| | R3.91 | 4.23 | 2.54 | 5.91 | 4.47 | 5.38 | 4.03 | 4.93 |
| ebraska | | | | | | | | |
| evada ew Hampshire | 5.18 6.52 | 4.95 8.67 | 4.86 8.81 | 4.97 8.41 | 4.90 6.74 | 4.88 7.75 | 4.89 7.78 | 5.13 5.86 |
| | | | | | | | | |
| ew Jersey | 5.57 | 6.99 | 7.10 | 6.73 | 6.14 | 6.31 | 5.71 | 4.61 |
| ew Mexico | 4.63 | 3.54 | 4.37 | 5.36 | 3.35 | 3.34 | 3.20 | 3.48 |
| ew York | NA | NA | NA | NA | 6.88 | NA | NA | NA |
| orth Carolina | 6.50 | 7.85 | 7.67 | 7.52 | 6.18 | 6.78 | 6.67 | 6.35 |
| orth Dakota | 3.66 | 3.65 | 4.09 | 4.24 | 3.91 | 4.06 | 3.06 | 3.15 |
| hio | 6.18 | 6.03 | 6.74 | 6.45 | 5.38 | 5.82 | 6.15 | 6.43 |
| klahoma | 4.81 | 5.26 | 5.75 | 6.40 | 4.70 | 5.04 | 4.80 | 5.06 |
| regon | 4.61 | 4.57 | 4.55 | 4.56 | 4.85 | 4.65 | 4.82 | 5.09 |
| ennsylvania | 7.70 | 7.37 | 7.55 | 7.07 | 6.44 | 6.86 | 6.61 | 7.00 |
| hode Island | 8.46 | 8.17 | 8.20 | 7.88 | 7.50 | 7.89 | 7.78 | 8.23 |
| outh Carolina | 6.74 | 7.20 | 7.54 | 7.46 | 6.26 | 7.01 | 6.37 | 5.66 |
| outh Dakota | 4.04 | 3.96 | 4.28 | 4.61 | 4.20 | 4.34 | 4.20 | 4.07 |
| ennessee | 5.01 | NA NA | 6.19 | 6.51 | 5.72 | 5.78 | 5.32 | 5.50 |
| | 4.29 | 4.42 | 5.28 | 6.00 | 4.27 | 5.38 | 4.58 | 0.50 NA |
| exastah | 3.09 | 3.81 | 3.75 | 3.81 | 3.38 | 3.69 | 3.80 | 2.96 |
| | | | | | | | | |
| ermont | 5.10 | 5.15 | 5.21 | 5.24 | 5.24 | 5.20 | 5.11 | 5.11 |
| irginia | 6.29 | 5.93 | 6.61 | 6.97 | 5.93 | 6.74 | 5.94 | 6.08 |
| /ashington | 4.21 | 4.71 | 4.72 | 4.65 | 4.80 | 4.76 | 4.79 | 4.88 |
| /est Virginia | 6.42 | 6.22 | 6.13 | 6.09 | 6.03 | 5.85 | 6.26 | 5.82 |
| /isconsin | NA | 5.02 | 5.62 | 6.12 | 4.83 | 5.73 | 4.99 | 3.72 |
| /yoming | 3.59 | R3.46 | R3.53 | R3.41 | 3.68 | 3.08 | 2.60 | 3.72 |
| | | | | | | | | |

Table 21. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1995-1997

| | 1996 | | | | | | | | | | |
|----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--|--|--|
| State | September | August | July | June | Мау | April | March | February | | | |
| lahama | 6.81 | 6.88 | 6.82 | 6.99 | C 44 | 6.08 | 6.21 | F 70 | | | |
| labama | 2.02 | 2.03 | 2.15 | 2.22 | 6.41 2.27 | 2.40 | 2.37 | 5.78 2.46 | | | |
| laska | | | | | | | | | | | |
| rizona | 5.19 | 5.15 | 5.10 | 5.00 | 4.96 | 5.01 | 4.98 | 4.99 | | | |
| rkansas alifornia | 4.67 5.46 | 4.86 5.25 | 4.98 5.50 | 5.12 5.42 | 4.85 5.55 | 4.48 5.99 | 4.35 6.60 | 4.38 6.19 | | | |
| colorado | 3.93 | 4.03 | 3.91 | 3.79 | 3.64 | 3.69 | 3.84 | 3.69 | | | |
| Connecticut | 5.95 | 5.70 | 5.89 | 6.48 | 7.28 | 7.76 | 7.73 | 8.33 | | | |
| Delaware | 6.45 | 6.88 | 6.93 | 6.82 | 6.06 | 5.52 | 5.64 | 5.34 | | | |
| District of Columbia | 7.35 | 5.87 | 5.82 | 6.32 | 6.28 | 6.89 | 8.74 | 8.14 | | | |
| lorida | 6.38 | 6.39 | 6.45 | 6.53 | 6.62 | 6.61 | 6.67 | 6.38 | | | |
| Seorgia | 5.94 | 5.95 | 6.57 | 7.07 | 7.07 | 5.96 | 5.47 | 5.68 | | | |
| lawaii | 14.62 | 14.94 | 15.33 | 14.64 | 14.41 | 13.58 | 13.84 | 13.39 | | | |
| daho | 4.91 | 4.92 | 4.93 | 4.78 | 4.78 | 4.67 | 4.43 | 4.42 | | | |
| | 6.25 | 7.66 | 7.09 | 6.68 | 6.19 | 5.00 | 4.75 | 4.31 | | | |
| linois ndiana | 5.97 | 5.87 | 5.86 | 5.72 | 5.30 | 4.97 | 4.75 | 4.20 | | | |
| | 5.00 | 0.70 | | | | 0.04 | | 404 | | | |
| owa | 5.62 | 8.72 | 5.98 | 5.11 | 4.45 | 3.84 | 4.10 | 4.04 | | | |
| ansas | 5.44 | 5.98 | 3.72 | 4.63 | 4.73 | 4.36 | 4.64 | 4.53 | | | |
| Centucky | 5.95 | 6.34 | 5.82 | 5.62 | 5.78 | 4.92 | 4.58 | 4.53 | | | |
| ouisiana | 5.90 | 6.11 | 6.63 | 6.10 | 6.54 | 6.40 | 5.46 | 5.34 | | | |
| laine | 6.55 | 6.57 | 7.96 | 6.44 | 6.31 | 7.22 | 7.32 | 7.32 | | | |
| laryland | 6.27 | 6.51 | 6.34 | 6.34 | 6.13 | 5.71 | 6.15 | 6.21 | | | |
| lassachusetts | 4.88 | 4.87 | 5.06 | 4.78 | 4.30 | 7.41 | 7.43 | 7.56 | | | |
| lichigan | 5.52 | 6.09 | 5.92 | 5.59 | 4.78 | 4.57 | 4.52 | 4.52 | | | |
| linnesota | 4.26 | 4.95 | 4.88 | 4.66 | 4.52 | 4.44 | 4.38 | 4.38 | | | |
| lississippi | 4.25 | 4.14 | 4.32 | 4.33 | 12.85 | 4.84 | 4.83 | 4.53 | | | |
| Missouri | 5.94 | 6.37 | 6.02 | 5.63 | 5.41 | 5.14 | 5.28 | 5.18 | | | |
| Nontana | 5.27 | 5.32 | 5.17 | 4.75 | 4.66 | 4.53 | 4.54 | 4.51 | | | |
| lebraska | 3.35 | 4.37 | 4.16 | 4.26 | 5.40 | 4.34 | 4.37 | 4.53 | | | |
| levada | 5.14 | 5.10 | 4.92 | 4.92 | 4.93 | 4.90 | 4.86 | 4.84 | | | |
| lew Hampshire | 6.14 | 6.23 | 6.29 | 5.91 | 5.36 | 5.79 | 7.00 | 6.94 | | | |
| lew Jersey | 4.50 | 4.47 | 4.78 | 4.65 | 5.02 | 5.46 | 5.87 | 5.84 | | | |
| lew Mexico | 4.17 | 3.37 | 2.78 | 2.75 | 4.23 | 3.36 | 3.56 | 3.57 | | | |
| lew York | NA | | | |
| lorth Carolina | 6.38 | 6.37 | 7.14 | 5.67 | 6.24 | 5.85 | 6.36 | 6.12 | | | |
| lorth Dakota | 3.77 | 4.98 | 6.54 | 5.55 | 4.49 | 4.13 | 3.36 | 4.15 | | | |
| Ohio | 6.67 | 6.88 | 6.29 | 5.95 | 5.61 | 5.01 | 5.03 | 5.08 | | | |
| klahoma | 5.03 | 5.12 | 4.72 | 4.99 | 4.97 | 4.44 | 4.64 | 4.50 | | | |
|)regon | 5.11 | 5.09 | 5.09 | 4.83 | 4.81 | 4.92 | 4.81 | 4.80 | | | |
| ennsylvania | 7.53 | 7.26 | 7.33 | 7.11 | 6.85 | 6.86 | 6.25 | 5.62 | | | |
| thode Island | 7.95 | 7.95 | 8.11 | 7.71 | 7.29 | 7.55 | 7.46 | 7.43 | | | |
| outh Carolina | 5.76 | 5.74 | 5.69 | 5.80 | 5.87 | 6.05 | 6.49 | 6.66 | | | |
| outh Dakota | 5.15 | 8.54 | 5.68 | 5.55 | 4.72 | 4.36 | 3.47 | 4.04 | | | |
| ennessee | 6.05 | 6.33 | 5.91 | 6.08 | 5.98 | 5.97 | 5.94 | 5.80 | | | |
| exas | 4.33 | 3.89 | 3.82 | 3.81 | 3.81 | 3.91 | 4.25 | 4.28 | | | |
| tah | 3.07 | 3.32 | 3.25 | 3.34 | 3.01 | 2.86 | 3.69 | 3.06 | | | |
| ermont | 5.19 | 5.44 | 5.45 | 5.56 | 5.38 | 5.24 | 5.19 | 5.24 | | | |
| irginia | 6.47 | 6.65 | 6.73 | 6.25 | 5.17 | 5.66 | 5.44 | 5.94 | | | |
| Vashington | 5.03 | 5.10 | 5.16 | 4.77 | 4.78 | 4.80 | 4.76 | 4.76 | | | |
| Vest Virginia | 6.27 | 4.85 | 4.67 | 8.07 | 6.83 | 6.34 | 6.10 | 6.03 | | | |
| Visconsin | 4.08 | 4.66 | 4.72 | 4.49 | 4.22 | 4.80 | 4.79 | 4.67 | | | |
| Vyoming | 4.06 | 3.90 | 4.13 | 4.11 | 3.98 | 4.03 | 4.08 | 3.80 | | | |
| | 5.46 | 5.56 | 5.46 | | | | | 5.25 | | | |

R = Revised Data.

NA = Not Available.

Notes: Data for 1996 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to commercial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 24 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries. In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.
Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 22. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1995-1997

(Dollars per Thousand Cubic Feet)

| Name | _ | YTD | YTD | YTD | | | 1997 | | |
|---|------------------|------|------|------|------------|--------|-------------------|-------|--------------|
| Alaşka 1.53 1.44 1.45 1.57 1.56 1.56 1.48 Aricona 3.64 3.80 3.69 3.26 3.10 3.16 3.90 Arkansas 3.58 3.13 2.78 3.58 3.57 3.42 3.79 4.00 Colorado 2.48 0.53 NA NA NA NA NA NA NA NA NA ALO 2.00 3.93 4.02 2.90 4.06 4.07 4.04 3.99 -15mict Of Columbia — | State | | | | September | August | July | June | Мау |
| laska 1.53 1.44 1.45 1.57 1.56 1.56 1.48 nizona 3.64 3.80 3.69 3.26 3.10 3.16 3.90 nizona 3.58 3.13 2.78 3.58 3.57 3.42 3.37 4.00 olorado 2.48 0.53 MA NA A.60 4.02 4.40 3.99 99 -1 | | | | | | | | | |
| nizona | labama | 3.40 | 3.58 | 2.94 | 3.21 | 3.21 | 3.08 | 3.20 | 3.19 |
| rikansas 3.58 3.13 2.78 3.58 3.57 3.42 3.79 4.00 alifornia 3.96 3.67 3.68 3.50 3.42 3.79 4.00 colorado 2.48 0.53 NA ALO 4.04 3.99 4.02 4.00 3.23 NA 4.64 4.32 4.40 3.99 3.61 3.63 3.83 4.68 4.81 6.14 | laska | 1.53 | 1.44 | 1.45 | 1.57 | 1.56 | 1.56 | 1.48 | 1.44 |
| rikansas 3.58 3.13 2.78 3.58 3.57 3.42 3.79 4.00 olorado 2.48 0.53 NA ALO 4.04 3.99 | rizona | 3.64 | 3.80 | 3.69 | 3.26 | 3.10 | 3.16 | 3.90 | 3.90 |
| alifornia | rkansas | 3.58 | 3.13 | 2.78 | 3.58 | 3.57 | 3.42 | 3.37 | 3.17 |
| Control Cont | | | | | | | | | 2.51 |
| onnecticut | olorado | 2 48 | 0.53 | NA | NA | NA | NA | NA | NA |
| elaware 4.22 4.20 2.90 4.06 4.07 4.04 3.99 | | | | 4 31 | 4 07 | 3.86 | 3 93 | 4 02 | 4.22 |
| Sirtict Columbia | | | | | | | | | 3.62 |
| orida 4.52 4.19 3.23 NA 4.64 4.32 4.40 eorgia 5.32 4.43 3.70 6.43 4.88 4.81 6.14 awaii — — — — — — — abo * 2.73 2.86 3.65 NA 2.68 2.80 2.52 inois 4.46 4.12 3.70 3.83 4.84 4.15 3.16 diana 4.26 MA 3.41 4.07 3.95 3.91 4.38 wa 3.89 3.53 3.33 3.90 3.52 4.11 3.37 ansas 3.01 2.93 2.17 3.44 3.10 3.03 3.99 3.87 3.90 3.61 uvisiana 3.20 2.73 1.77 NA 2.92 NA 3.14 aine 5.42 5.04 4.43 4.65 4.43 4.40 4.53 airian 4.17 | | | | | | | | | _ |
| awali | | 4.52 | 4.19 | 3.23 | NA | 4.64 | 4.32 | 4.40 | 4.34 |
| awali | eorgia | 5.32 | 4 43 | 3 70 | 6.43 | 4 68 | 4 81 | 6 14 | 4.67 |
| Inclis | • | _ | _ | _ | - | _ | _ | _ | _ |
| waldina 4.26 NA 3.41 4.07 3.95 3.91 4.38 wwa 3.89 3.53 3.33 3.90 3.52 4.11 3.37 ansas 3.01 2.93 2.17 3.44 3.10 3.01 3.03 entucky 4.16 3.79 3.25 3.99 3.87 3.90 3.61 puisian 3.20 2.73 1.77 MA 2.92 MA 3.14 daire 5.42 5.04 4.43 4.65 4.43 4.40 4.45 daryland 4.73 5.42 3.31 4.87 *4.49 *5.38 *4.67 assachusetts 5.84 5.31 4.38 4.19 4.02 4.19 3.73 lichigan 4.17 3.84 3.62 4.16 4.53 4.60 4.41 linesota 3.09 2.88 2.43 3.06 2.74 2.58 2.72 lissouri 4.50 <t< td=""><td>aho ^a</td><td>2.73</td><td>2.86</td><td>3.65</td><td>NA</td><td>2.68</td><td>2.80</td><td>2.52</td><td>2.73</td></t<> | aho ^a | 2.73 | 2.86 | 3.65 | NA | 2.68 | 2.80 | 2.52 | 2.73 |
| waldina 4.26 NA 3.41 4.07 3.95 3.91 4.38 wwa 3.89 3.53 3.33 3.90 3.52 4.11 3.37 ansas 3.01 2.93 2.17 3.44 3.10 3.01 3.03 entucky 4.16 3.79 3.25 3.99 3.87 3.90 3.61 puisian 3.20 2.73 1.77 MA 2.92 MA 3.14 daire 5.42 5.04 4.43 4.65 4.43 4.40 4.45 daryland 4.73 5.42 3.31 4.87 *4.49 *5.38 *4.67 assachusetts 5.84 5.31 4.38 4.19 4.02 4.19 3.73 lichigan 4.17 3.84 3.62 4.16 4.53 4.60 4.41 linesota 3.09 2.88 2.43 3.06 2.74 2.58 2.72 lissouri 4.50 <t< td=""><td>inois</td><td>4.60</td><td></td><td>3.70</td><td>3.83</td><td>4.48</td><td>4.15</td><td>3.16</td><td>3.00</td></t<> | inois | 4.60 | | 3.70 | 3.83 | 4.48 | 4.15 | 3.16 | 3.00 |
| ansas 3.01 2.93 2.17 3.44 3.10 3.01 3.03 entucky 4.16 3.79 3.25 3.99 3.87 3.90 3.61 2.01 3.03 entucky 4.16 3.79 3.25 3.99 3.87 3.90 3.61 2.01 3.03 entucky 4.16 3.20 2.73 1.77 MA 2.92 MA 3.14 2.91 2.01 3.14 2.91 2.01 3.01 3.03 entucky 4.16 3.20 2.73 1.77 MA 2.92 MA 3.14 2.91 2.01 3.01 3.01 3.03 entucky 4.16 3.20 2.73 1.77 MA 2.92 MA 3.14 2.91 2.01 3.01 3.01 3.01 3.01 3.01 3.01 3.01 3 | | | NA | | | | 3.91 | | 4.50 |
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| entucky | | | | | | | | | 2.57 |
| buisiaria 3.20 2.73 1.77 NA 2.92 NA 3.14 aine 5.42 5.04 4.43 4.65 4.43 4.40 4.45 aine 5.42 5.04 4.43 4.65 4.43 4.40 4.45 aryland 4.73 5.42 3.31 4.87 *4.49 *6.38 *6.67 assachusetts 5.84 5.31 4.88 4.19 4.02 4.19 3.73 ichigan 4.17 3.84 3.62 4.16 4.53 4.60 4.41 innesota 3.09 2.88 2.43 3.06 2.74 2.26 2.72 ississispipi 3.38 3.35 2.71 NA NA NA 3.21 issouri 4.50 4.23 3.40 3.89 3.88 3.81 3.81 ontana 4.85 4.85 4.85 4.86 4.98 4.99 4.96 4.88 ebraska < | | | | | | | | | |
| laine | | | | | | | | | 3.73 |
| laryland | | | | | | | | | 2.85 |
| lassachusetts 5.84 5.31 4.38 4.19 4.02 4.19 3.73 lichigan 4.17 3.84 3.62 4.16 4.53 4.60 4.41 linnesota 3.09 2.88 2.43 3.06 2.74 2.58 2.72 lississippi 3.38 3.35 2.71 NA NA NA NA NA 3.21 lissouri 4.50 4.23 3.40 3.89 3.88 3.81 3.81 3.81 onchans 4.85 4.86 4.98 4.98 4.96 4.88 4.96 4.88 4.96 4.88 4.96 4.88 4.98 4.96 4.88 4.96 4.88 4.96 4.88 4.98 4.96 4.88 4.98 4.96 4.88 4.98 4.96 4.88 4.98 4.96 4.88 4.98 4.96 4.88 4.98 4.96 4.88 4.98 4.96 4.88 4.98 4.96 4.88 4.98 3.98 3.88 3.89 3.02 2.92 3.74 7.42 7.08 < | aine | 5.42 | 5.04 | 4.43 | 4.65 | 4.43 | 4.40 | 4.45 | 4.10 |
| ichigan | aryland | 4.73 | 5.42 | 3.31 | 4.87 | R4.49 | ^R 5.38 | R4.67 | R4.71 |
| innesota 3.09 2.88 2.43 3.06 2.74 2.58 2.72 ississispipi 3.38 3.35 2.71 NA NA 3.21 issouri 4.50 4.23 3.40 3.89 3.88 3.81 3.81 inontana 4.85 4.85 4.86 4.98 4.98 4.96 4.88 ebraska 3.59 3.13 2.85 3.48 3.38 3.09 3.02 ewada 6.69 4.95 5.42 9.23 7.42 7.08 7.50 ew Hampshire 4.44 4.18 3.78 NA 3.46 3.42 3.62 ew Jersey 3.72 3.81 3.06 3.31 2.72 3.35 3.32 ew Mexico 3.22 3.12 3.57 3.24 3.02 2.92 3.71 ew Jersey 3.72 3.81 3.06 3.31 2.72 3.35 3.32 ew Jersey 3.72 3.81 3.06 3.31 2.72 3.35 3.32 ew Jersey | assachusetts | 5.84 | 5.31 | 4.38 | 4.19 | 4.02 | 4.19 | 3.73 | 4.63 |
| ississippi 3.38 3.35 2.71 NA NA NA 3.21 issouri 4.50 4.23 3.40 3.89 3.88 3.81 3.81 ontana 4.85 4.85 4.86 4.98 4.98 4.96 4.88 ebraska 3.59 3.13 2.85 3.48 3.38 3.09 3.02 evada 6.69 4.95 5.42 9.23 7.42 7.08 7.50 ew Hampshire 4.44 4.18 3.78 NA 3.46 3.42 3.62 ew Jersey 3.72 3.81 3.06 3.31 2.72 3.35 3.32 ew Mexico 3.22 3.12 3.57 3.24 3.02 2.92 3.71 ew York 4.92 5.09 4.58 4.20 NA NA NA orth Carolina 4.62 4.21 3.48 4.30 2.83 4.00 3.64 orth Dakota 3.10 3.18 2.85 3.35 3.66 3.14 3.02 hio | ichigan | 4.17 | 3.84 | 3.62 | 4.16 | 4.53 | 4.60 | 4.41 | 4.24 |
| ississippi 3.38 3.35 2.71 NA NA NA 3.21 issouri 4.50 4.23 3.40 3.89 3.88 3.81 3.81 ontana 4.85 4.85 4.86 4.98 4.98 4.96 4.88 ebraska 3.59 3.13 2.85 3.48 3.38 3.09 3.02 evada 6.69 4.95 5.42 9.23 7.42 7.08 7.50 ew Hampshire 4.44 4.18 3.78 NA 3.46 3.42 3.62 ew Jersey 3.72 3.81 3.06 3.31 2.72 3.35 3.32 ew Mexico 3.22 3.12 3.57 3.24 3.02 2.92 3.71 ew York 4.92 5.09 4.58 4.20 NA NA NA orth Carolina 4.62 4.21 3.48 4.30 2.83 4.00 3.64 orth Dakota 3.10 3.18 2.85 3.35 3.66 3.14 3.02 hio | innesota | 3.09 | 2.88 | 2.43 | 3.06 | 2.74 | 2.58 | 2.72 | 2.67 |
| Iontana 4.85 4.85 4.86 4.98 4.98 4.96 4.88 ebraska 3.59 3.13 2.85 3.48 3.38 3.09 3.02 ewada 6.69 4.95 5.42 9.23 7.42 7.08 7.50 ew Hampshire 4.44 4.18 3.78 NA 3.46 3.42 3.62 ew Jersey 3.72 3.81 3.06 3.31 2.72 3.35 3.32 ew Mexico 3.22 3.12 3.57 3.24 3.02 2.92 3.71 ew York 4.92 5.09 4.58 4.20 NA NA NA orth Carolina 4.62 4.21 3.48 4.30 2.83 4.00 3.64 orth Dakota 3.10 3.18 2.85 3.35 3.66 3.14 3.02 ihio 5.77 4.16 3.96 5.55 5.38 4.42 6.96 iklahoma 3.99 | | 3.38 | 3.35 | 2.71 | NA | NA | NA | 3.21 | 3.06 |
| lontana 4.85 4.85 4.86 4.98 4.98 4.96 4.88 ebraska 3.59 3.13 2.85 3.48 3.38 3.09 3.02 ew deada 6.69 4.95 5.42 9.23 7.42 7.08 7.50 ew Hampshire 4.44 4.18 3.78 NA 3.46 3.42 3.62 ew Jersey 3.72 3.81 3.06 3.31 2.72 3.35 3.32 ew Mexico 3.22 3.12 3.57 3.24 3.02 2.92 3.71 ew York 4.92 5.09 4.58 4.20 NA NA NA orth Carolina 4.62 4.21 3.48 4.30 2.83 4.00 3.64 orth Dakota 3.10 3.18 2.85 3.35 3.66 3.14 3.02 klahoma 3.99 3.16 2.25 3.44 3.33 3.34 3.32 regon 3.15 <td>lissouri</td> <td>4 50</td> <td>4 23</td> <td>3 40</td> <td>3 89</td> <td>3 88</td> <td>3.81</td> <td>3 81</td> <td>3.45</td> | lissouri | 4 50 | 4 23 | 3 40 | 3 89 | 3 88 | 3.81 | 3 81 | 3.45 |
| ebraska 3.59 3.13 2.85 3.48 3.38 3.09 3.02 evada 6.69 4.95 5.42 9.23 7.42 7.08 7.50 ew Hampshire 4.44 4.18 3.78 NA 3.46 3.42 3.62 ew Hempshire 4.44 4.18 3.78 NA 3.46 3.42 3.62 ew Jersey 3.72 3.81 3.06 3.31 2.72 3.35 3.32 ew Mexico 3.22 3.12 3.57 3.24 3.02 2.92 3.71 ew York 4.92 5.09 4.58 4.20 NA NA NA NA Orth Carolina 4.62 4.21 3.48 4.30 2.83 4.00 3.64 orth Dakota 3.10 3.18 2.85 3.35 3.66 3.14 3.02 entry of the second | | | | | | | | | 4.85 |
| evada 6.69 4.95 5.42 9.23 7.42 7.08 7.50 ew Hampshire 4.44 4.18 3.78 NA 3.46 3.42 3.62 ew Hampshire 4.44 4.18 3.78 NA 3.46 3.42 3.62 ew Jersey 3.72 3.81 3.06 3.31 2.72 3.35 3.32 ew Mexico 3.22 3.12 3.57 3.24 3.02 2.92 3.71 ew York 4.92 5.09 4.58 4.20 NA NA NA Orth Carolina 4.62 4.21 3.48 4.30 2.83 4.00 3.64 orth Dakota 3.10 3.18 2.85 3.35 3.66 3.14 3.02 ehio 5.77 4.16 3.96 5.55 5.38 4.42 6.96 klahoma 3.99 3.16 2.25 3.44 3.33 3.34 3.32 regon 3.15 3.20 3.44 3.03 2.96 3.15 3.10 ennsylvania 4.87 4.16 4.04 4.21 4.14 5.89 4.70 ehode Island 4.27 NA 4.18 4.08 3.66 3.78 3.74 ennessee 3.83 3.89 3.99 3.89 3.49 4.08 3.66 3.78 3.74 ennessee 3.83 3.89 3.89 3.49 3.99 3.89 3.49 4.08 ennessee 3.83 3.89 3.39 3.89 3.49 3.09 NA ennessee 3.83 3.89 3.39 3.89 3.44 3.09 NA exas 2.66 NA 1.64 NA 2.23 2.48 2.41 2.46 2.46 2.48 2.08 2.38 2.61 2.81 2.70 2.27 ermont 3.06 3.51 3.48 3.34 3.98 3.95 3.82 3.88 Ashington 3.08 2.53 2.72 NA NA NA 2.81 2.81 2.70 2.27 ermont 3.06 3.51 3.48 3.34 3.98 3.95 3.82 3.88 Ashington 3.08 2.53 2.72 NA NA NA 2.81 2.81 2.70 2.27 NA NA NA 2.81 2.81 2.80 2.91 2.71 2.53 2.93 2.84 2.91 2.72 NA NA 2.81 2.81 2.80 2.91 2.72 NA NA NA 2.81 2.80 2.91 2.71 2.53 2.93 2.84 2.91 2.72 NA NA NA 2.81 2.80 2.90 3.47 3.23 3.26 NA NA 3.30 3.30 3.30 3.31 2.90 3.47 3.23 3.26 NA NA 3.28 3.20 3.20 NA NA 3.28 3.30 3.31 2.90 3.47 3.23 3.26 NA NA 3.28 3.30 3.30 3.30 3.30 3.30 3.30 3.30 3.3 | | | | | | | | | 2.77 |
| ew Hampshire 4.44 4.18 3.78 NA 3.46 3.42 3.62 ew Jersey 3.72 3.81 3.06 3.31 2.72 3.35 3.32 ew Mexico 3.22 3.12 3.57 3.24 3.02 2.92 3.71 ew York 4.92 5.09 4.58 4.20 NA NA NA NA orth Carolina 4.62 4.21 3.48 4.30 2.83 4.00 3.64 orth Dakota 3.10 3.18 2.85 3.35 3.66 3.14 3.02 whio 5.77 4.16 3.96 5.55 5.38 4.42 6.96 klahoma 3.99 3.16 2.25 3.44 3.33 3.34 3.32 regon 3.15 3.20 3.44 3.03 2.96 3.15 3.10 ennsylvania 4.87 4.16 4.04 4.21 4.14 5.89 4.70 hode Island 4.27 NA 4.18 4.08 3.66 3.78 3.74 | | | | | | | | | |
| ew Jersey 3.72 3.81 3.06 3.31 2.72 3.35 3.32 ew Mexico 3.22 3.12 3.57 3.24 3.02 2.92 3.71 ew York 4.92 5.09 4.58 4.20 NA NA NA NA NA Orth Carolina 4.62 4.21 3.48 4.30 2.83 4.00 3.64 orth Dakota 3.10 3.18 2.85 3.35 3.66 3.14 3.02 em NA | | | | | 9.23 NA | | | | 7.77 3.12 |
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| orth Carolina 4.62 4.21 3.48 4.30 2.83 4.00 3.64 orth Dakota 3.10 3.18 2.85 3.35 3.66 3.14 3.02 whio 5.77 4.16 3.96 5.55 5.38 4.42 6.96 whio 5.77 4.16 3.96 5.55 5.38 4.42 6.96 whio 3.99 3.16 2.25 3.44 3.33 3.34 3.32 regon 3.15 3.20 3.44 3.03 2.96 3.15 3.10 ennsylvania 4.87 4.16 4.04 4.21 4.14 5.89 4.70 hode Island 4.27 NA 4.18 4.08 3.66 3.78 3.74 outh Carolina 3.27 3.69 3.05 3.23 3.25 1.78 3.32 outh Dakota 3.96 NA 3.55 4.16 3.96 4.49 4.08 ernessee 3.83 | ew Mexico | 3.22 | 3.12 | 3.57 | 3.24 | 3.02 | 2.92 | 3.71 | 2.96 |
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| orth Dakota 3.10 3.18 2.85 3.35 3.66 3.14 3.02 hio 5.77 4.16 3.96 5.55 5.38 4.42 6.96 klahoma 3.99 3.16 2.25 3.44 3.33 3.34 3.32 regon 3.15 3.20 3.44 3.03 2.96 3.15 3.10 ennsylvania 4.87 4.16 4.04 4.21 4.14 5.89 4.70 hode Island 4.27 NA 4.18 4.08 3.66 3.78 3.74 outh Carolina 3.27 3.69 3.05 3.23 3.25 1.78 3.32 outh Dakota 3.96 NA 3.55 4.16 3.96 4.49 4.08 ennessee 3.83 3.89 3.39 3.89 3.44 3.09 NA exas 2.65 NA 1.64 NA 2.34 2.41 2.46 tah 2.48 2.08 2.38 2.61 2.81 2.70 2.27 ermont 3.06 3.51 3.48 3.00 2.96 2.97 3.01 iriginia 4.01 4.18 3.34 3.98 | orth Carolina | 4.62 | 4.21 | 3.48 | 4.30 | 2.83 | 4.00 | 3.64 | 4.01 |
| Aklahoma 3.99 3.16 2.25 3.44 3.33 3.34 3.32 Dregon 3.15 3.20 3.44 3.03 2.96 3.15 3.10 ennsylvania 4.87 4.16 4.04 4.21 4.14 5.89 4.70 hode Island 4.27 NA 4.18 4.08 3.66 3.78 3.74 outh Carolina 3.27 3.69 3.05 3.23 3.25 1.78 3.32 outh Dakota 3.96 NA 3.55 4.16 3.96 4.49 4.08 ennessee 3.83 3.89 3.39 3.89 3.44 3.09 NA exas 2.65 NA 1.64 NA 2.34 2.41 2.46 tah 2.48 2.08 2.38 2.61 2.81 2.70 2.27 ermont 3.06 3.51 3.48 3.00 2.96 2.97 3.01 irginia 4.01 4.18 3.34 3.98 3.95 3.82 3.88 /est Virgini | | | | | | | | | 2.42 |
| klahoma 3.99 3.16 2.25 3.44 3.33 3.34 3.32 regon 3.15 3.20 3.44 3.03 2.96 3.15 3.10 ennsylvania 4.87 4.16 4.04 4.21 4.14 5.89 4.70 hode Island 4.27 NA 4.18 4.08 3.66 3.78 3.74 outh Carolina 3.27 3.69 3.05 3.23 3.25 1.78 3.32 outh Dakota 3.96 NA 3.55 4.16 3.96 4.49 4.08 ennessee 3.83 3.89 3.39 3.89 3.44 3.09 NA exas 2.65 NA 1.64 NA 2.34 2.41 2.46 tah 2.48 2.08 2.38 2.61 2.81 2.70 2.27 ermont 3.06 3.51 3.48 3.00 2.96 2.97 3.01 irginia 4.01 4.18 3.34 3.98 3.95 3.82 3.88 /eshington <td>hio</td> <td>5 77</td> <td>4 16</td> <td>3.96</td> <td>5 55</td> <td>5 38</td> <td>4 42</td> <td>6 96</td> <td>4.50</td> | hio | 5 77 | 4 16 | 3.96 | 5 55 | 5 38 | 4 42 | 6 96 | 4.50 |
| regon 3.15 3.20 3.44 3.03 2.96 3.15 3.10 ennsylvania 4.87 4.16 4.04 4.21 4.14 5.89 4.70 hode Island 4.27 NA 4.18 4.08 3.66 3.78 3.74 outh Carolina 3.27 3.69 3.05 3.23 3.25 1.78 3.32 outh Dakota 3.96 NA 3.55 4.16 3.96 4.49 4.08 ennessee 3.83 3.89 3.39 3.89 3.44 3.09 NA exas 2.65 NA 1.64 NA 2.34 2.41 2.46 tah 2.48 2.08 2.38 2.61 2.81 2.70 2.27 ermont 3.06 3.51 3.48 3.00 2.96 2.97 3.01 irginia 4.01 4.18 3.34 3.98 3.95 3.82 3.88 /eashington 3.08 2.53 2.72 NA NA NA 2.81 /esconsin 3.83 3.31 2.90 3.47 3.23 3.26 NA | | | | | | | | | 2.75 |
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| both Dakota 3.90 cennessee 3.83 sexas 2.65 NA 1.64 tah 2.34 2.48 2.08 2.38 2.61 2.81 2.70 2.27 ermont 3.06 3.51 3.48 3.08 3.51 3.48 3.00 2.96 2.97 3.01 iriginia 4.01 4.18 3.34 3.98 3.95 3.82 3.88 /ashington 3.08 2.53 2.72 NA NA NA NA 2.91 2.71 2.53 2.93 2.84 2.91 2.72 /isconsin 3.83 3.31 2.90 3.47 3.23 3.26 | | | 3.69 | | | | | | 3.26 |
| ermont 3.06 3.51 3.48 3.00 2.96 2.97 3.01 irginia 4.01 4.18 3.34 3.98 3.95 3.82 3.88 /ashington 3.08 2.53 2.72 NA NA NA 2.81 2.70 2.72 /isconsin 3.83 3.31 2.90 3.47 3.23 3.26 NA | | | | | | | | | 3.55 |
| tah 2.48 2.08 2.38 2.61 2.81 2.70 2.27 ermont 3.06 3.51 3.48 3.00 2.96 2.97 3.01 irginia 4.01 4.18 3.34 3.98 3.95 3.82 3.88 /ashington 3.08 2.53 2.72 NA NA NA 2.81 /est Virginia 2.91 2.71 2.53 2.93 2.84 2.91 2.72 /isconsin 3.83 3.31 2.90 3.47 3.23 3.26 NA | | | | | | | | | 3.19 |
| ermont 3.06 3.51 3.48 3.00 2.96 2.97 3.01 rginia 4.01 4.18 3.34 3.98 3.95 3.82 3.88 lashington 3.08 2.53 2.72 NA NA NA 2.81 est Virginia 2.91 2.71 2.53 2.93 2.84 2.91 2.72 isconsin 3.83 3.31 2.90 3.47 3.23 3.26 NA | | | | | | | | | 2.31 |
| rginia | tah | 2.48 | 2.08 | 2.38 | 2.61 | 2.81 | 2.70 | 2.27 | 2.27 |
| /ashington 4.01 4.18 3.34 3.98 3.95 3.82 3.88 /ashington 3.08 2.53 2.72 NA NA NA 2.81 /est Virginia 2.91 2.71 2.53 2.93 2.84 2.91 2.72 /isconsin 3.83 3.31 2.90 3.47 3.23 3.26 NA | ermont | 3.06 | 3.51 | 3.48 | 3.00 | 2.96 | 2.97 | 3.01 | 3.05 |
| Asshington 3.08 2.53 2.72 NA NA NA 2.81 Vest Virginia 2.91 2.71 2.53 2.93 2.84 2.91 2.72 Visconsin 3.83 3.31 2.90 3.47 3.23 3.26 NA | | | | | | | | | 4.03 |
| /est Virginia 2.91 2.71 2.53 2.93 2.84 2.91 2.72 /isconsin 3.83 3.31 2.90 3.47 3.23 3.26 NA | | | | | | | | | 2.94 |
| /isconsin 3.83 3.31 2.90 3.47 3.23 3.26 NA | | | | | | 2 2/ | | | 2.81 |
| 0.00 0.01 2.00 0.47 0.20 0.20 | | | | | | | | NA | 3.08 |
| | | | | | NA | | | | 3.24 |
| Total 3.45 3.31 2.60 3.23 2.96 ^R 2.96 ^R 3.10 | , , | | 0.04 | | 0.00 | | | | 2.95 |

Table 22. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1995-1997

| | | 1 | 997 | | | 19 | 96 | |
|----------------------|--------------------|-------------------|-------------------|-------------------|-----------|-----------|----------|-----------------|
| State | April | March | February | January | Total | December | November | Octobe |
| | | | | | | | | |
| labama | 2.96 | 3.15 | 3.91 | 4.57 | 3.64 | 4.61 | 3.72 | 3.14 |
| laska | 1.53 | 1.55 | 1.57 | 1.55 | 1.41 | 1.35 | 1.35 | 1.35 |
| rizona | 4.31 | 4.06 | 3.74 | 4.32 | 3.80 | 3.81 | 3.80 | 3.78 |
| rkansas | 3.19 | 3.31 | 3.78 | 4.45 | 3.28 | 4.33 | 3.72 | 3.00 |
| California | 3.45 | 4.24 | 5.32 | 5.49 | 3.77 | 4.40 | 4.01 | 3.32 |
| Colorado | 2.17 | NA | NA | NA | 2.91 | 1.01 | 0.94 | 2.13 |
| Connecticut | 4.46 | 4.91 | 5.76 | 6.11 | 4.80 | 5.81 | 4.95 | 4.00 |
| elaware | 3.62 | 4.35 | 5.03 | 5.29 | 4.32 | 5.00 | 4.62 | 4.62 |
| District of Columbia | _ | _ | _ | _ | _ | _ | _ | |
| lorida | 4.41 | 4.42 | 4.68 | 4.69 | 4.21 | 4.52 | 4.29 | 3.96 |
| Georgia | 4.39 | 5.07 | 5.63 | 6.40 | 4.40 | 4.87 | 3.76 | 4.16 |
| ławaii | | - | - - | - | 4.40 — | 4.07 — | - | 4.10 |
| daho ^a | 2.75 | 2.75 | 2.76 | 2.78 | 2.78 | 2.42 | 2.51 | 2.76 |
| linois | 4.10 | 4.80 | 5.86 | 6.49 | 4.12 | 4.15 | 4.09 | 4.17 |
| ndiana | 4.67 | 4.41 | 4.21 | 4.19 | 3.62 | 4.16 | 3.52 | 3.52 |
| owa | 3.14 | 4.04 | 4.73 | 3.94 | 3.63 | 3.96 | 3.82 | 3.46 |
| Kansas | 2.32 | 2.34 | 3.45 | 4.33 | 3.09 | 4.85 | 3.37 | 2.44 |
| Centucky | 3.82 | 3.97 | 4.67 | 4.78 | 3.87 | 4.64 | 3.92 | 3.73 |
| | | | | | | | NA | NA NA |
| ouisiana | 2.78 | 2.69 | 3.49 | 4.19 | 2.84 | 4.07 | | |
| laine | 5.77 | 7.08 | 7.10 | 6.95 | 5.22 | 6.60 | 6.56 | 4.04 |
| laryland | ^R 20.15 | ^R 5.67 | NA | ^R 5.31 | 5.36 | 4.63 | 6.00 | 7.80 |
| Massachusetts | 6.35 | 7.12 | 8.35 | 7.05 | 5.37 | 6.98 | 5.52 | 4.15 |
| lichigan | 4.12 | 4.15 | 4.02 | 4.16 | 3.87 | 4.06 | 3.97 | 3.74 |
| linnesota | 2.58 | 2.74 | 3.73 | 4.69 | 2.97 | 4.18 | 3.09 | 2.12 |
| Nississippi | 2.98 | 2.93 | 3.80 | 4.45 | 3.43 | 4.47 | 3.59 | 2.87 |
| Missouri | 3.78 | 4.48 | 5.94 | 5.35 | 4.35 | 4.84 | 4.02 | 3.75 |
| Montana | 4.84 | 4.84 | 4.80 | 4.79 | 4.88 | 4.87 | 4.95 | 5.02 |
| lebraska | 2.66 | 3.19 | 4.14 | 5.13 | 3.29 | 4.30 | 3.62 | 2.71 |
| levada | 5.80 | 4.67 | 4.64 | 9.50 | 4.90 | 4.67 | 4.68 | 5.01 |
| lew Hampshire | 4.02 | 6.10 | 7.97 | 7.94 | 4.79 | 6.84 | 5.13 | 7.64 |
| low Jorgov | 2.07 | 4.92 | E 02 | 4.02 | 2 92 | 4.60 | 2.70 | 2.05 |
| lew Jersey | 2.87 | 4.82 | 5.03 | 4.92 | 3.82 | 4.62 | 3.70 | 3.05 |
| lew Mexico | 5.10 NA | 3.40 NA | 4.02 NA | 3.01 NA | 2.90 | 2.63 | 2.78 | 2.98 |
| lew York | | | | | 5.04 | 5.17 | 4.79 | 4.45 |
| Iorth Carolina | 4.14 | 4.80 | 5.41 | 5.63 | 4.37 | 5.14 | 4.65 | 4.05 |
| lorth Dakota | 2.37 | 1.60 | 4.94 | 4.39 | 3.02 | 3.89 | 2.36 | 2.28 |
| Ohio | 5.96 | 5.49 | 6.71 | 5.77 | 4.10 | 2.79 | 5.14 | 4.84 |
| klahoma | 3.08 | 3.90 | 4.53 | 5.41 | 3.26 | 3.87 | 3.33 | 3.28 |
| Oregon | 3.16 | 3.25 | 3.24 | 3.25 | 3.24 | 3.29 | 3.36 | 3.52 |
| ennsylvania | 4.73 | 4.91 | 5.25 | 5.25 | 4.12 | 3.87 | 4.15 | 3.97 |
| Rhode Island | 3.56 | 4.50 | 5.52 | 5.64 | 4.67 | 9.64 | 4.62 | 3.70 |
| outh Carolina | 3.21 | 3.43 | 4.22 | 4.74 | 3.77 | 4.58 | 4.03 | 3.29 |
| South Dakota | 3.12 | 3.00 | 4.00 | 4.99 | 3.50 | 6.16 | 4.81 | 4.73 |
| ennessee | 3.40 | NA | 4.75 | 4.80 | 3.92 | 4.52 | 3.95 | 3.52 |
| exas | 2.03 | 2.08 | 3.19 | 4.10 | 2.58 | 3.82 | 2.89 | 2.06 |
| tah | 2.31 | 2.53 | 2.53 | 2.44 | 2.10 | 2.28 | 2.22 | 1.97 |
| | | | | | | | | |
| ermont | 2.98 | 3.10 | 3.14 | 3.32 | 3.44 | 3.18 | 3.20 | 3.44 |
| 'irginia | 3.11 | 4.79 | 5.51 | 3.56 | 4.07 | 3.91 | 3.53 | 4.14 |
| Vashington | 2.75 | 2.88 | 3.58 | 4.36 | 2.67 | 3.81 | 2.78 | 2.52 |
| Vest Virginia | 2.49 | 2.78 | 3.03 | 3.44 | 2.76 | 2.96 | 3.06 | 2.70 |
| Visconsin | NA | 3.44 | 4.27 | 4.86 | 3.48 | 4.79 | 4.10 | 2.67 |
| Vyoming | 3.40 | 3.40 | 3.41 | 3.40 | 3.14 | 3.25 | 3.32 | 3.29 |
| Total | 3.01 | R3.39 | ^R 4.19 | 4.60 | 3.42 | 4.20 | 3.57 | 2.89 |

Table 22. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1995-1997

| Alabama 2 Alaska 1 Arizona 3 Arkansas 3 California 3 Colorado 0 Connecticut 3 Delaware 4 District of Columbia 5 Florida 3 Georgia 2 Hawaii 5 Idaho 3 2 Illinois 5 Indiana 3 Idowa 3 Kansas 3 Kentucky 3 Idowa 3 Kansas 3 Idowa 3 Kansas 3 Idowa 3 Idow | 2.94 1.35 3.76 3.57 3.57 0.46 3.98 4.58 | 3.50 1.45 3.68 3.09 3.55 0.27 3.83 4.71 | 3.52 1.45 3.58 3.18 3.63 0.24 4.01 4.67 | 3.36 1.45 3.84 3.06 3.37 | 3.30 1.45 3.84 3.06 3.28 | 3.67 1.45 3.84 3.07 | 3.87 1.45 | February |
|--|--|--|--|--------------------------------------|--------------------------------------|------------------------------|--------------|--------------|
| Alaska 1 Arizona 3 Arizona 3 Arizona 3 Arizona 3 Arizona 3 Arizona 3 California 3 Connecticut 3 Delaware 4 District of Columbia | 1.35 3.76 3.07 3.57 0.46 3.98 4.58 — 3.87 2.73 — | 1.45 3.68 3.09 3.55 0.27 3.83 4.71 | 1.45 3.58 3.18 3.63 0.24 4.01 | 1.45 3.84 3.06 3.37 | 1.45 3.84 3.06 | 1.45 3.84 | 1.45 | 3.95 |
| laska 1 rizona 3 rizona 3 rizona 3 rixansas 3 allifornia 3 olorado 0 onnecticut 3 elaware 4 istrict of Columbia - orida 3 eorgia 2 awaii - alano a 2 inois 5 diana 3 awa 3 ansas 3 antucky 3 auine 3 alaryland 6 lassachusetts 3 ichigan 3 iinnesota 2 iississippi 2 iissouri 4 tontana 5 ebraska 2 evada 5 ew Hampshire 3 aw Mexico 3 aw York 4 | 1.35 3.76 3.07 3.57 0.46 3.98 4.58 — 3.87 2.73 — | 1.45 3.68 3.09 3.55 0.27 3.83 4.71 | 1.45 3.58 3.18 3.63 0.24 4.01 | 1.45 3.84 3.06 3.37 | 1.45 3.84 3.06 | 1.45 3.84 | 1.45 | 3 95 |
| rizona | 3.76 3.07 3.57 0.46 3.98 4.58 | 3.68 3.09 3.55 0.27 3.83 4.71 | 3.58 3.18 3.63 0.24 4.01 | 3.84 3.06 3.37 | 3.84 3.06 | 3.84 | | |
| rkansas 3 alifornia 3 olorado 0 onnecticut 3 elaware 4 istrict of Columbia 3 olorida 3 | 3.07 3.57 0.46 3.98 4.58 | 3.09 3.55 0.27 3.83 4.71 | 3.18 3.63 0.24 4.01 | 3.06 3.37 | 3.06 | | | 1.45 |
| alifornia 3 olorado 0 onnecticut 3 elaware 4 istrict of Columbia - lorida 3 eeorgia 2 awaii - latho a 2 inois 5 idiana 3 awas 3 ansas 3 entucky 3 ouisiana 2 laine 3 laryland 6 lassachusetts 3 lichigan 3 lichigan 3 lichigan 3 lississispipi 2 lissouri 4 lontana 5 eebraska 2 evada 5 ew Hampshire 3 aw Wexico 3 ew York 4 orth Dakota 2 hio 4 klahoma 3 | 3.57 0.46 3.98 4.58 — 3.87 2.73 — 2.75 | 3.55 0.27 3.83 4.71 | 3.63 0.24 4.01 | 3.37 | | 3.07 | 3.86 | 3.88 |
| olorado 0 onnecticut 3 elaware 4 istrict of Columbia - lorida 3 eeorgia 2 awaii - inois 5 idiana 3 awasas 3 ansas 3 entucky 3 puisiana 2 laine 3 laryland 6 lassachusetts 3 lichigan 3 liissouri 4 lontana 5 ebraska 2 evada 5 ew Hampshire 3 ew Jersey 3 ew Mexico 3 ew York 4 orth Dakota 2 thio 4 tklahoma 3 regon 3 ennsylvania 3 hode Island 3 outh Dakota 5 | 0.46 3.98 4.58 — 3.87 2.73 — 2.75 | 0.27 3.83 4.71 | 0.24 4.01 | | ۸۲. ک | | 3.29 | 3.05 |
| onnecticut 3 elaware 4 elaware 4 istrict of Columbia 5 orrida 3 eorgia 2 awaii | 3.98 4.58 — 3.87 2.73 — 2.75 | 3.83 4.71 — | 4.01 | 4.00 | 5.20 | 3.60 | 3.67 | 3.88 |
| elaware | 4.58 — 3.87 2.73 — 2.75 | 4.71 — | | 1.89 | 1.94 | 0.68 | 0.45 | 0.54 |
| istrict of Columbia orida | | _ | 4 67 | 4.06 | 4.21 | 4.69 | 5.21 | 5.68 |
| orida 3 eorgia 2 awaii - aho a 2 inois 5 diana 3 wa 3 ansas 3 entucky 3 suisiana 2 aine 3 aryland 6 assachusetts 3 ichigan 3 innesota 2 ississispipi 2 issouri 4 ontana 5 ebraska 2 ew Hampshire 3 ew Jersey 3 ew Wexico 3 ew York 4 orth Dakota 2 hio 4 klahoma 3 regon 3 ennsylvania 3 hode Island 3 outh Dakota 5 | 3.87 2.73 — 2.75 | | 7.07 | 4.29 | 4.79 | 3.99 | 3.88 | 4.10 |
| eorgia 2 awaii 3 aho a 2 inois 5 diana 3 wa 3 ansas 3 ansas 3 antucky 3 ainie 3 aryland 6 assachusetts 3 ichigan 3 innesota 2 ississippi 2 issouri 4 ontana 5 ebraska 2 evada 5 ew Hampshire 3 ew Jersey 3 ew Mexico 3 ew York 4 orth Carolina 4 orth Dakota 3 ennsylvania 4 and 4 and 5 and 6 and 7 | 2.73 2.75 | | _ | | _ | | _ | _ |
| awaii | 2.75 | 4.08 | 4.12 | 4.14 | 4.08 | 4.51 | 4.16 | 4.49 |
| laho a 2 inois 5 indiana 3 awa 3 amasas 3 entucky 3 ouisiana 2 laine 3 laryland 6 lassachusetts 3 lichigan 3 linnesota 2 lississispi 2 lissouri 4 lontana 5 ebraska 2 evada 5 ew Hampshire 3 ew Jersey 3 ew York 4 orth Carolina 4 orth Dakota 2 thio 4 iklahoma 3 regon 3 ennsylvania 3 hode Island 3 outh Carolina 5 | 2.75 | 4.08 | 6.69 | 5.42 | 4.47 | 4.10 | 4.56 | 4.59 |
| inois 5 diana 3 wa 3 ansas 3 ansas 3 ansas 3 antucky 3 uisiana 2 aine 3 aryland 6 assachusetts 3 ichigan 3 innesota 2 ississispi 2 issouri 4 ontana 5 ebraska 2 evada 5 ew Hampshire 3 ew Jersey 3 ew Mexico 3 ew York 4 orth Carolina 4 orth Dakota 2 hio 4 klahoma 2 regon 3 | | | _ | 0.70 | _ | _ | _ | _ |
| adiana 3 awa 3 ansas 3 entucky 3 ouisiana 2 laine 3 laryland 6 lassachusetts 3 lichigan 3 linnesota 2 lississispipi 2 lissouri 4 lontana 5 ebraska 2 evada 5 ew Hampshire 3 ew Jersey 3 ew Jersey 3 ew York 4 orth Carolina 4 orth Dakota 2 thio 4 iklahoma 3 regon 3 ennsylvania 3 hode Island 3 outh Carolina 3 outh Dakota 5 | | 2.74 | 2.92 | 2.79 | 2.84 | 2.76 | 2.92 | 2.91 |
| awa 3 ansas 3 aentucky 3 buisiana 2 aine 3 laryland 6 lassachusetts 3 iichigan 3 iinnesota 2 iississispipi 2 iissouri 4 loottana 5 ebraska 2 evada 5 ew Hampshire 3 ew Jersey 3 ew Mexico 3 ew York 4 orth Dakota 2 hio 4 klahoma 3 regon 3 ennsylvania 3 hode Island 3 outh Carolina 3 outh Dakota 5 | 5.04 | 4.98 | 4.81 | 5.34 | 4.55 | 3.25 | 4.63 | 3.82 |
| ansas 3 antucky 3 aryland 6 assachusetts 3 aryland 2 assachusetts 3 aryland 3 ichigan 3 annesota 2 ississispi 2 sissouri 4 ontana 5 evada 5 ew Hampshire 3 ew Jersey 3 ew Mexico 3 ew York 4 orth Carolina 4 orth Carolina 4 orth Dakota 3 annsylvania 3 anded Island 3 outh Carolina 3 | 3.91 | 3.99 | 3.70 | 3.91 | 4.05 | 3.70 | 3.41 | 3.58 |
| ansas 3 ansas 3 antucky 3 antucky 3 autucky 3 aryland 6 assachusetts 3 aichigan 3 ichigan 3 innesota 2 ississispipi 2 sissouri 4 ontana 5 ebraska 2 evada 5 ew Hampshire 3 ew Jersey 3 ew Mexico 3 ew York 4 orth Carolina 4 orth Dakota 2 hio 4 klahoma 3 regon 3 annsylvania 3 hode Island 3 outh Carolina 5 | 3.95 | 3.57 | 4.43 | 4.28 | 3.57 | 3.10 | 3.37 | 3.41 |
| entucky 3 puisiana 2 aine 3 aryland 6 assachusetts 3 ichigan 3 innesota 2 ississispipi 2 issouri 4 ontana 5 ebraska 2 evada 5 sew Hampshire 3 ew Jersey 3 ew Wexico 3 ew York 4 orth Carolina 4 hoth Dakota 2 hio 4 kklahoma 3 ennsylvania 3 hode Island 3 buth Carolina 3 buth Dakota 5 | 3.04 | 3.21 | 2.67 | 2.00 | 2.62 | 2.17 | 3.80 | 3.23 |
| puisiana 2 aine 3 aryland 6 assachusetts 3 ichigan 3 innesota 2 ississispi 2 issouri 4 ontana 5 ebraska 2 evada 5 ew Hampshire 3 ew Jersey 3 ew Mexico 3 ew York 4 orth Carolina 4 hio 4 kiahoma 3 regon 3 ennsylvania 3 hode Island 3 buth Carolina 3 buth Dakota 5 | 3.65 | 3.97 | 3.74 | 3.63 | 3.78 | 3.73 | 3.77 | 3.81 |
| aine 3 aryland 6 assachusetts 3 ichigan 3 innesota 2 ississispipi 2 issouri 4 ontana 5 ebraska 2 evada 5 ew Hampshire 3 ew Jersey 3 ew York 4 orth Carolina 4 orth Dakota 2 hio 4 klahoma 3 regon 3 aennsylvania 3 hode Island 3 buth Carolina 3 buth Dakota 5 | 2.08 | 2.36 | 2.84 | 2.71 | 2.56 | 2.85 | 3.13 | 2.77 |
| assachusetts 3 ichigan 3 ichigan 3 iinnesota 2 issississippi 2 issouri 4 ontana 5 sebraska 2 evada 5 ew Hampshire 3 ew Jersey 3 ew Mexico 3 ew York 4 orth Carolina 4 hio 4 klahoma 3 regon 3 ennsylvania 3 node Island 3 buth Carolina 3 buth Dakota 5 | 3.96 | 3.96 | 4.15 | 3.95 | 5.04 | 6.17 | 6.27 | 6.39 |
| assachusetts 3 assachusetts 3 chigan 3 innesota 2 ssissisppi 2 sssouri 4 ontana 5 sebraska 2 evada 5 ew Hampshire 3 ew Jersey 3 ew Mexico 3 ew York 4 orth Carolina 4 orth Dakota 2 nio 4 klahoma 3 regon 3 ennsylvania 3 node Island 3 outh Carolina 3 outh Dakota 5 | 6.18 | 7.39 | 6.35 | 6.08 | 6.06 | 5.39 | 5.11 | 5.80 |
| Ichigan | 3.75 | 3.71 | 3.98 | 3.74 | 4.44 | 5.81 | 6.41 | 6.88 |
| Innesota | 3.30 | 3.47 | 3.51 | 3.49 | 3.62 | 3.79 | 3.98 | 4.01 |
| sissosispi 2 sissouri 4 ontana 5 ebraska 2 evada 5 ew Hampshire 3 ew Jersey 3 ew Mexico 3 ew York 4 orth Carolina 4 orth Dakota 2 nio 4 klahoma 3 eegon 3 ennsylvania 3 node Island 3 outh Carolina 3 outh Dakota 5 | 2.35 | 2.99 | 2.91 | 2.65 | 2.67 | 3.79 | 2.91 | 2.65 |
| ontana 5 sbraska 2 evada 5 ew Hampshire 3 ew Jersey 3 ew York 4 orth Carolina 4 rhio 4 klahoma 3 eegon 3 ennsylvania 3 node Island 3 outh Carolina 3 outh Dakota 5 | 2.35 2.85 | 3.20 | 3.43 | 3.23 | 3.14 | 3.47 | 3.58 | 3.26 |
| ontana 5 ebraska 2 evada 5 ew Hampshire 3 ew Jersey 3 ew Mexico 3 ew York 4 orth Carolina 4 orth Dakota 2 hio 4 klahoma 3 regon 3 ennsylvania 3 hode Island 3 outh Carolina 3 outh Dakota 5 | 4.40 | 4.07 | 4.00 | 0.00 | 0.00 | 4.00 | 4.00 | 4.50 |
| ebraska 2 evada 5 ew Hampshire 3 ew Jersey 3 ew Wexico 3 ew York 4 orth Carolina 4 orth Dakota 2 hio 4 klahoma 3 regon 3 ennsylvania 3 hode Island 3 outh Carolina 3 outh Dakota 5 | 4.12 | 4.27 | 4.23 | 3.88 | 3.26 | 4.20 | 4.90 | 4.56 |
| evada 5 ew Hampshire 3 ew Jersey 3 ew Mexico 3 ew York 4 borth Carolina 4 chio 4 klahoma 3 regon 3 ennsylvania 3 node Island 3 outh Carolina 3 outh Dakota 5 | 5.04 | 5.16 | 5.09 | 5.01 | 4.65 | 4.84 | 4.74 | 4.72 |
| ew Hampshire 3 ew Jersey 3 ew Mexico 3 ew York 4 orth Carolina 4 bio 4 klahoma 3 regon 3 ennsylvania 3 hode Island 3 outh Carolina 3 buth Dakota 5 | 2.86 | 3.42 | 3.19 | 3.09 | 2.92 | 3.13 | 3.10 | 3.19 |
| ew Jersey 3 ew Mexico 3 ew Mexico 3 ew York 4 orth Carolina 4 orth Dakota 2 hio 4 klahoma 3 regon 3 ennsylvania 3 node Island 3 outh Carolina 3 outh Dakota 5 | 5.10 | 5.15 | 4.80 | 4.86 | 4.90 | 4.91 | 4.96 | 4.98 |
| ew Mexico 3 ew York 4 orth Carolina 4 borth Dakota 2 hio 4 klahoma 3 regon 3 ennsylvania 3 hode Island 3 outh Carolina 3 buth Dakota 5 | 3.48 | 3.34 | 3.46 | 3.38 | 3.44 | 4.21 | 5.36 | 6.00 |
| ew York 4 orth Carolina 4 orth Dakota 2 hio 4 klahoma 3 regon 3 ennsylvania 3 hode Island 3 outh Carolina 3 outh Dakota 5 | 3.01 | 3.29 | 3.17 | 3.28 | 3.31 | 4.12 | 4.26 | 4.71 |
| orth Carolina 4 orth Dakota 2 hio 4 klahoma 3 regon 3 ennsylvania 3 node Island 3 outh Carolina 3 outh Dakota 5 | 3.57 | 3.44 | 2.89 | 2.69 | 3.31 | 3.17 | 4.53 | 4.03 |
| orth Dakota 2 hio 4 klahoma 3 regon 3 ennsylvania 3 node Island 3 outh Carolina 3 outh Dakota 5 | 4.16 | 4.66 | 4.73 | 4.63 | 4.91 | 5.40 | 5.34 | 5.75 |
| nio 4 klahoma 3 regon 3 ennsylvania 3 node Island 3 outh Carolina 3 outh Dakota 5 | 4.03 | 3.82 | 3.87 | 3.64 | 3.84 | 3.90 | 4.62 | 5.04 |
| klahoma 3 regon 3 sennsylvania 3 node Island 3 outh Carolina 3 outh Dakota 5 | 2.77 | 2.99 | 3.34 | 3.01 | 3.16 | 3.28 | 3.09 | 3.28 |
| klahoma 3 regon 3 sennsylvania 3 node Island 3 outh Carolina 3 outh Dakota 5 | 4.51 | 4.75 | 4.96 | 4.06 | 4.22 | 4.26 | 4.19 | 3.91 |
| regon | 3.57 | 3.30 | 3.36 | 3.41 | 3.01 | 2.99 | 3.11 | 3.05 |
| ennsylvania | 3.17 | 3.21 | 3.30 | 3.23 | 3.18 | 3.12 | 3.25 | 3.23 |
| outh Carolina | 3.94 | 3.90 | 3.72 | 3.79 | 3.90 | 4.09 | 4.10 | 4.52 |
| outh Dakota5 | 3.84 | 3.82 | 4.30 | 3.89 | 4.11 | 4.46 | 5.63 | 5.45 |
| outh Dakota5 | 3.30 | 3.43 | 3.54 | 3.37 | 3.41 | 3.79 | 4.02 | 4.25 |
| | 5.36 | 5.43 5.26 | 4.81 | 5.44 | 4.63 | 4.55 | 2.02 | 2.88 |
| | 3.80 | 4.11 | 3.81 | 3.57 | 3.81 | 4.02 | 4.08 | 4.29 |
| _ | | | | | | | | |
| | 2.11 2.00 | 2.53 2.03 | 2.66 1.97 | 2.46 2.02 | 2.39 2.06 | 2.49 2.08 | 2.29 2.36 | 2.66 1.82 |
| un Z | 00 | 2.03 | 1.31 | 2.02 | ۷.00 | 2.00 | 2.30 | 1.02 |
| | 3.17 | 3.31 | 3.37 | 3.55 | 3.74 | 3.75 | 3.54 | 3.63 |
| rginia 4 | 4.10 | 4.32 | 4.45 | 3.77 | 3.58 | 4.82 | 4.05 | 4.33 |
| ashington 1 | 1.93 | 3.84 | 2.36 | 2.79 | 2.48 | 2.47 | 2.53 | 2.63 |
| | 2.78 | 2.41 | 2.61 | 2.72 | 2.66 | 2.87 | 2.89 | 2.83 |
| | 2.74 | 3.05 | 3.26 | 3.08 | 3.02 | 3.47 | 3.38 | 3.39 |
| | | 3.15 | 3.10 | 2.97 | 3.28 | 3.22 | 3.24 | 2.65 |
| Г otal 2 | 3.19 | 3.05 | 3.17 | 3.13 | 3.14 | 3.42 | 3.52 | 3.61 |

R = Revised Data.
NA = Not Available.

Not Available.
 = Not Available.
 Notes: Data for 1996 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to industrial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 24 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.
 In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 23. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 1996-1997

(Dollars per Thousand Cubic Feet)

| State | YTD | YTD | YTD | | | 1997 | | | | |
|---------------------|-------|-------|------|--------|-------|------|-----------|-----------|--|--|
| State | 1997 | 1996 | 1995 | August | July | June | Мау | April | | |
| | | | | | | | | | | |
| labama | 2.59 | 2.84 | 1.87 | 2.56 | 2.51 | 2.65 | 2.44 | 3.21 | | |
| laska | 1.69 | 1.35 | 1.30 | 1.69 | 1.87 | 1.79 | 1.64 | 1.63 | | |
| rizona | 2.84 | 2.95 | 1.71 | 2.63 | 2.20 | 3.03 | 3.11 | 4.47 | | |
| rkansas | 2.47 | 2.54 | 1.70 | 2.64 | 2.38 | 2.40 | 1.92 | 1.98 | | |
| alifornia | 2.97 | 2.59 | 2.28 | 2.81 | 2.69 | 2.75 | 2.60 | 2.63 | | |
| olorado | 3.48 | 1.88 | 1.70 | 2.77 | 4.07 | 2.31 | 6.20 | 2.47 | | |
| onnecticut | 2.42 | 2.81 | 2.03 | 2.35 | 2.33 | 2.26 | 2.22 | 2.47 | | |
| | | | | | | | | | | |
| elaware | 3.04 | 3.44 | 2.22 | 3.00 | 2.83 | 1.95 | 3.68 | 2.53 | | |
| istrict of Columbia | | | | | | | | | | |
| lorida | 2.37 | 3.16 | 2.18 | 2.50 | 2.30 | 2.33 | 2.09 | 2.26 | | |
| eorgia | 2.60 | 3.01 | 2.81 | 2.27 | 2.75 | 3.13 | 2.64 | 2.64 | | |
| awaii | _ | _ | _ | _ | _ | _ | _ | | | |
| laho | _ | _ | _ | _ | _ | _ | _ | _ | | |
| inois | 2.35 | 2.64 | 1.58 | 2.39 | 2.31 | 2.37 | 2.29 | 2.12 | | |
| idiana | 3.03 | 3.33 | 2.38 | 3.39 | 2.77 | 2.99 | 3.06 | 2.88 | | |
| ididi id | 0.00 | 0.00 | 2.00 | 0.00 | 2.11 | 2.55 | 5.00 | 2.00 | | |
| wa | 3.13 | 3.21 | 2.60 | 3.12 | 2.70 | 3.28 | 2.89 | 2.79 | | |
| ansas | 2.18 | 2.24 | 1.55 | 2.13 | 2.06 | 2.11 | 2.14 | 2.00 | | |
| entucky | 3.14 | 3.45 | 2.92 | 2.92 | 2.87 | 2.96 | 2.83 | 3.13 | | |
| ouisiana | 2.63 | 2.99 | 1.80 | 2.60 | 2.44 | 2.65 | 2.45 | 2.18 | | |
| aine | _ | _ | - | _ | _ | _ | _ | _ | | |
| | 0.00 | 0.40 | 0.04 | 0.00 | 0.05 | 2.22 | 0.00 | 0.44 | | |
| aryland | 2.80 | 3.12 | 2.24 | 2.89 | 2.35 | 2.69 | 2.98 | 3.14 | | |
| assachusetts | 2.91 | 3.30 | 1.98 | 2.87 | 2.81 | 2.92 | 2.84 | 2.54 | | |
| ichigan | 0.68 | 0.81 | 0.78 | 0.58 | 0.96 | 0.84 | 0.42 | 0.61 | | |
| linnesota | 2.36 | 2.22 | 1.75 | 2.43 | 2.43 | 2.34 | 2.30 | 2.34 | | |
| lississippi | 2.58 | 3.07 | 1.70 | 2.61 | 2.46 | 2.52 | 2.37 | 2.27 | | |
| lissouri | 2.51 | 2.55 | 1.64 | 2.51 | 2.39 | 2.44 | 2.74 | 2.77 | | |
| lontana | 3.42 | 6.57 | 4.35 | 1.92 | 1.37 | 9.35 | 13.57 | 2.87 | | |
| ebraska | 2.30 | 1.96 | 1.67 | 2.49 | 2.32 | 2.00 | 1.89 | 1.89 | | |
| | | | | | | | | | | |
| evada | 2.04 | 2.03 | 1.64 | 2.02 | 1.98 | 2.09 | 1.99 | 2.02 | | |
| ew Hampshire | 2.69 | _ | 1.85 | 2.55 | 2.74 | 2.72 | 2.68 | _ | | |
| ew Jersey | 2.88 | 3.06 | 2.07 | 2.87 | 2.80 | 2.85 | 2.76 | 2.69 | | |
| ew Mexico | 2.52 | 2.12 | 1.52 | 2.47 | 2.46 | 2.38 | 2.39 | 2.07 | | |
| ew York | 2.72 | 3.05 | 2.08 | 2.60 | 2.58 | 2.65 | 2.62 | 2.53 | | |
| orth Carolina | 3.05 | 3.12 | 2.43 | 3.09 | 3.12 | 2.87 | 2.64 | 2.79 | | |
| orth Dakota | 3.81 | 3.06 | 3.74 | _ | 4.00 | _ | 4.14 | 3.98 | | |
| hio | 2 45 | 2.40 | 2.00 | 4.00 | 2.40 | 2.20 | 4.40 | 4.00 | | |
| hio | 3.45 | 3.19 | 2.28 | 4.28 | 3.10 | 3.20 | 4.13 | 4.06 | | |
| klahoma | 2.78 | 2.94 | 2.25 | 2.48 | 2.37 | 2.63 | 2.91 | 2.57 | | |
| regon | 1.51 | 1.24 | 1.24 | 1.49 | 1.35 | 1.57 | | | | |
| ennsylvania | 2.77 | 3.13 | 2.07 | 2.81 | 2.54 | 3.04 | 2.57 | 2.31 | | |
| hode Island | 3.16 | 2.29 | 2.00 | 3.04 | 2.98 | 3.21 | 3.09 | 2.82 | | |
| outh Carolina | 4.12 | 4.12 | 1.70 | 4.54 | 4.35 | 3.51 | 3.84 | 3.87 | | |
| outh Dakota | | 2.36 | 1.48 | _ | _ | _ | _ | _ | | |
| ennessee | _ | 1.20 | 0.79 | _ | _ | _ | _ | _ | | |
| exas | 2.54 | 2.48 | 1.88 | 2.50 | 2.39 | 2.46 | 2.34 | 2.14 | | |
| ah | 1.86 | 3.07 | 2.54 | 1.79 | 1.86 | 4.82 | 2.34 — | Z.14 — | | |
| | | | | | | | | | | |
| ermont | 3.02 | 3.16 | 1.95 | 2.90 | 2.95 | _ | 2.83 | 2.27 | | |
| irginia | 2.78 | 2.98 | 2.72 | 2.95 | 2.58 | 2.93 | 3.05 | 2.71 | | |
| ashington | 1.55 | 5.15 | 4.59 | 0.67 | 4.83 | 3.83 | 7.21 | 5.93 | | |
| est Virginia | 4.02 | 3.53 | 3.66 | 3.71 | 3.79 | 3.23 | 3.22 | 3.63 | | |
| isconsin | 2.96 | 2.89 | 2.07 | 2.85 | 3.12 | 2.81 | 2.58 | 2.46 | | |
| yoming | 13.55 | 11.28 | 7.89 | 34.13 | 20.44 | 4.00 | 11.82 | 24.02 | | |
| youning | | | | | | | | | | |

Table 23. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 1996-1997

| | | 1997 | | 1996 | | | | | | |
|----------------------|-------|----------|---------|-------|-----------|----------|---------|-----------|--|--|
| State | March | February | January | Total | December | November | October | September | | |
| | | | | | | | | | | |
| Alabama | 2.12 | 2.04 | 4.37 | 2.95 | 4.32 | 3.16 | 2.27 | 2.14 | | |
| Alaska | 1.55 | 1.69 | 1.68 | 1.45 | 1.64 | 1.63 | 1.73 | 1.71 | | |
| Arizona | 2.85 | 4.01 | 5.70 | 3.03 | 7.53 | 4.76 | 2.53 | 2.98 | | |
| Arkansas | 1.60 | 1.92 | 4.18 | 2.52 | 3.88 | 2.62 | 1.36 | 1.89 | | |
| California | 3.04 | 4.14 | 4.67 | 2.75 | 4.55 | 3.40 | 2.60 | 2.51 | | |
| Colorado | 2.26 | 3.32 | 3.76 | 2.09 | 4.30 | 2.93 | 2.47 | 1.54 | | |
| Connecticut | 2.45 | 3.08 | 3.97 | 2.76 | 4.97 | 3.26 | 2.78 | 2.30 | | |
| Delaware | 2.61 | 2.90 | 4.87 | 3.13 | 4.06 | 3.65 | 2.32 | 2.32 | | |
| District of Columbia | _ | _ | _ | _ | _ | _ | _ | _ | | |
| Florida | 2.05 | 2.13 | 4.60 | 3.12 | 4.75 | 3.38 | 2.56 | 2.59 | | |
| Georgia | 3.34 | 8.15 | 2.08 | 2.88 | 6.28 | 2.50 | 3.08 | 2.72 | | |
| Hawaii | _ | _ | _ | _ | _ | _ | _ | _ | | |
| daho | _ | _ | _ | _ | _ | _ | _ | _ | | |
| Illinois | 2.00 | 2.93 | 3.34 | 2.62 | 3.82 | 3.10 | 2.12 | 1.98 | | |
| ndiana | 2.74 | 3.74 | 5.04 | 3.48 | 4.80 | 3.86 | 3.38 | 2.99 | | |
| lowa | 2.73 | 3.74 | 5.11 | 3.23 | 3.77 | 3.45 | 2.95 | 1.80 | | |
| Kansas | 1.80 | 2.92 | 4.56 | 2.25 | 4.10 | 2.62 | 1.88 | 1.81 | | |
| Kentucky | 3.20 | 3.69 | 4.85 | 3.49 | 4.64 | 3.51 | 2.82 | 2.59 | | |
| _ouisiana | 2.10 | 2.93 | 4.35 | 2.94 | 4.37 | 3.12 | 2.25 | 2.16 | | |
| Maine | _ | _ | _ | _ | _ | _ | _ | _ | | |
| Maryland | 4.18 | 5.75 | 5.04 | 3.11 | 5.92 | 4.02 | 2.65 | 2.85 | | |
| Massachusetts | 2.64 | 3.29 | 5.37 | 3.07 | 4.85 | 3.85 | 2.69 | 2.33 | | |
| Michigan | 0.69 | 0.59 | 0.56 | 0.74 | 0.55 | 0.73 | 0.55 | 0.59 | | |
| Minnesota | 2.17 | 3.35 | 2.26 | 2.18 | 2.32 | 2.19 | 2.14 | 2.14 | | |
| Mississippi | 2.08 | 2.61 | 4.15 | 2.78 | 4.27 | 3.23 | 2.10 | 2.00 | | |
| Missouri | 2.26 | 4.62 | 5.41 | 2.58 | 4.90 | 2.61 | 2.38 | 2.24 | | |
| Montana | 4.08 | 9.68 | 3.54 | 2.89 | 1.81 | 1.66 | 0.65 | 6.59 | | |
| Nebraska | 2.29 | 3.20 | 3.22 | 2.07 | 4.37 | 2.85 | 1.85 | 1.81 | | |
| Nevada | 2.05 | 2.33 | 2.14 | 2.12 | 2.19 | 2.37 | 2.71 | 1.96 | | |
| New Hampshire | - | - | _ | - | - | _ | _ | - | | |
| New Jersey | 2.57 | 3.60 | 4.65 | 2.96 | 4.39 | 3.16 | 2.36 | 2.42 | | |
| New Mexico | 2.01 | 2.85 | 4.07 | 2.31 | 3.80 | 2.94 | 2.17 | 1.94 | | |
| New York | 2.56 | 3.35 | 4.36 | 2.96 | 4.22 | 3.39 | 2.37 | 2.26 | | |
| North Carolina | _ | _ | 6.89 | 3.11 | 4.41 | 4.20 | 2.55 | 2.80 | | |
| North Dakota | 2.93 | _ | _ | 2.93 | 2.81 | 3.92 | 2.94 | _ | | |
| Ohio | 4.03 | 4.16 | 3.87 | 3.44 | 4.27 | 3.92 | 2.96 | 2.80 | | |
| Oklahoma | 2.88 | 4.36 | 4.21 | 2.98 | 4.43 | 3.61 | 2.93 | 2.38 | | |
| Oregon | 1.40 | 4.50 | 1.96 | 1.33 | 2.01 | 1.42 | 1.42 | 1.27 | | |
| Pennsylvania | 2.72 | 2.91 | 4.65 | 2.85 | 4.57 | 3.31 | 2.70 | 1.67 | | |
| Rhode Island | 2.72 | 4.09 | 3.18 | 2.29 | 3.14 | 2.34 | 1.81 | 1.78 | | |
| South Carolina | 2.84 | 4.22 | 6.95 | 4.56 | 5.08 | 4.47 | 5.32 | 4.01 | | |
| South Dakota | 0- | | _ | 2.36 | J.00 — | | - | | | |
| Tennessee | _ | _ | _ | 2.61 | _ | _ | _ | _ | | |
| Texas | 2.12 | 2.85 | 3.89 | 2.51 | 3.80 | 2.82 | 2.23 | 2.10 | | |
| Jtah | _ | _ | _ | 1.83 | _ | _ | _ | 1.50 | | |
| /ermont | 2.61 | 3.60 | 5.05 | 3.22 | 4.42 | 3.37 | 2.68 | 2.70 | | |
| /irginia | 2.76 | 1.80 | 3.13 | 2.98 | 3.42 | 2.04 | 3.77 | 2.93 | | |
| Vashington | 65.04 | 4.50 | 5.11 | 4.98 | 4.75 | 5.03 | 4.35 | 4.01 | | |
| Vest Virginia | 3.82 | 7.68 | 3.15 | 2.99 | 2.94 | 2.87 | 3.69 | 4.01 | | |
| Visconsin | 2.33 | 3.42 | 4.74 | 3.04 | 4.29 | 3.48 | 2.55 | 2.38 | | |
| Vyoming | 22.85 | 2.47 | 13.99 | 12.59 | 26.41 | 17.57 | 17.64 | 3.19 | | |
| | | | | | | | | | | |

Table 23. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 1996-1997

| 04-4- | 1996 | | | | | | | | | | | |
|---------------------|-----------|------|------|------|-------|-----------|----------|-----------|--|--|--|--|
| State | August | July | June | Мау | April | March | February | January | | | | |
| lah awa | 0.00 | 0.04 | 0.74 | 0.50 | 0.40 | 0.00 | 0.00 | 0.74 | | | | |
| labama | 2.66 | 3.04 | 2.71 | 2.59 | 3.10 | 3.29 | 2.82 | 3.71 | | | | |
| laska | 1.66 | 1.58 | 1.47 | 1.04 | 1.16 | 1.30 | 1.29 | 1.32 | | | | |
| rizona | 2.61 | 3.09 | 3.33 | 4.43 | 2.30 | 2.31 | 3.19 | 2.71 | | | | |
| rkansas | 2.47 | 2.57 | 2.40 | 2.30 | 2.54 | 2.71 | 7.11 | 2.02 | | | | |
| alifornia | 2.63 | 2.32 | 2.41 | 2.59 | 2.49 | 2.83 | 3.16 | 2.68 | | | | |
| olorado | 1.72 | 2.32 | 1.52 | 1.85 | 2.06 | 1.79 | 1.83 | 1.80 | | | | |
| onnecticut | 2.78 | 3.01 | 2.69 | 2.62 | 2.79 | _ | | _ | | | | |
| elaware | 2.35 | 3.39 | 3.01 | 3.19 | 4.14 | 2.89 | 4.63 | 4.63 | | | | |
| istrict of Columbia | _ | _ | _ | _ | _ | _ | _ | _ | | | | |
| lorida | 2.99 | 3.28 | 3.09 | 2.91 | 3.18 | 3.50 | 2.83 | 3.87 | | | | |
| a a wala | 2.54 | 2.22 | 2.25 | 2.00 | F 0F | F 10 | 4.00 | 7.00 | | | | |
| eorgiaawaii | 2.51 — | 2.23 | 3.25 | 3.80 | 5.05 | 5.18 — | 4.90 | 7.30 — | | | | |
| laho | _ | _ | _ | _ | _ | _ | _ | _ | | | | |
| linois | 2.25 | 2.70 | 2.60 | 2.43 | 3.03 | 3.12 | 3.24 | 3.19 | | | | |
| idiana | 2.95 | 3.14 | 3.32 | 3.21 | 3.40 | 3.85 | 3.98 | 3.39 | | | | |
| ulalia | 2.93 | 3.14 | 3.32 | 3.21 | 3.40 | 3.63 | 3.90 | 3.35 | | | | |
| wa | 2.87 | 2.83 | 2.55 | 2.64 | 3.82 | 5.45 | 3.44 | 3.36 | | | | |
| ansas | 2.35 | 2.19 | 2.16 | 2.13 | 2.45 | 2.18 | 2.46 | 2.28 | | | | |
| entucky | 3.05 | 3.36 | 3.15 | 3.78 | 3.40 | 3.72 | 3.57 | 3.96 | | | | |
| ouisiana | 2.64 | 2.96 | 2.72 | 2.63 | 2.99 | 3.25 | 4.04 | 3.72 | | | | |
| laine | _ | _ | _ | _ | _ | _ | _ | | | | | |
| aryland | 2.49 | 3.25 | 3.12 | 3.13 | 3.97 | 5.72 | 6.54 | 6.01 | | | | |
| assachusetts | 2.71 | 3.37 | 3.03 | 3.08 | 3.62 | 4.17 | 3.70 | 6.47 | | | | |
| | | | | | | | | | | | | |
| lichigan | 0.91 | 0.73 | 0.88 | 0.90 | 0.71 | 0.83 | 0.90 | 0.65 | | | | |
| linnesota | 2.10 | 2.14 | 2.09 | 2.36 | 2.63 | 2.43 | 2.13 | 2.10 | | | | |
| lississippi | 2.52 | 2.85 | 2.64 | 2.49 | 2.95 | 3.50 | 8.16 | 4.08 | | | | |
| lissouri | 2.41 | 2.63 | 2.50 | 2.42 | 2.20 | 3.37 | 3.12 | 3.11 | | | | |
| lontana | 6.79 | 3.49 | 4.69 | 5.95 | 8.98 | 20.05 | 3.68 | 1.86 | | | | |
| ebraska | 2.16 | 2.27 | 1.74 | 1.58 | 1.94 | 2.39 | 2.19 | 1.96 | | | | |
| evada | 2.20 | 1.83 | 2.06 | 1.90 | 2.08 | 2.14 | 2.22 | 1.99 | | | | |
| lew Hampshire | _ | _ | _ | _ | _ | _ | _ | | | | | |
| ew Jersey | 2.79 | 3.15 | 3.14 | 3.37 | 3.50 | 3.67 | 2.85 | 2.76 | | | | |
| lew Mexico | 2.33 | 2.01 | 1.99 | 2.04 | 2.17 | 2.23 | 2.16 | 2.07 | | | | |
| ew York | 2.74 | 3.06 | 2.89 | 2.80 | 3.35 | 3.72 | 3.91 | 4.49 | | | | |
| orth Carolina | 3.31 | 3.51 | 2.93 | 2.66 | | - 5.72 | | 3.07 | | | | |
| orth Dakota | 3.32 | 2.71 | 2.81 | | 3.23 | _ | _ | 3.58 | | | | |
| OITH Dakota | 3.32 | 2.71 | 2.01 | 2.91 | _ | _ | _ | 3.36 | | | | |
| hio | 2.70 | 3.18 | 3.51 | 2.99 | 3.48 | 3.74 | 3.54 | 3.94 | | | | |
| klahoma | 2.64 | 2.70 | 2.72 | 2.95 | 3.15 | 3.35 | 4.13 | 3.13 | | | | |
| regon | 1.24 | 1.25 | _ | _ | _ | _ | _ | _ | | | | |
| ennsylvania | 2.63 | 3.52 | 2.74 | 3.38 | 2.64 | 3.61 | 5.41 | 4.57 | | | | |
| hode Island | 2.32 | 2.27 | 2.13 | 2.10 | 2.36 | 2.37 | 2.45 | 2.38 | | | | |
| outh Carolina | 4.67 | 3.94 | 3.69 | 4.75 | 4.44 | 4.72 | 4.35 | 4.23 | | | | |
| outh Dakota | | 2.36 | _ | _ | _ | | | | | | | |
| ennessee | _ | | _ | _ | _ | _ | _ | _ | | | | |
| exas | 2.45 | 2.63 | 2.46 | 2.35 | 2.48 | 2.35 | 2.60 | 2.48 | | | | |
| tah | 1.67 | 1.57 | 2.39 | 2.55 | | | 20.25 | | | | | |
| | | | | | | | | | | | | |
| ermont | 3.15 | 3.45 | 3.17 | _ | 2.72 | _ | _ | 3.06 | | | | |
| irginia | 2.83 | 3.36 | 3.14 | 3.61 | 1.51 | 3.09 | 1.99 | 2.41 | | | | |
| /ashington | 4.98 | 6.14 | 5.52 | 4.05 | 4.22 | 5.51 | 4.90 | 4.98 | | | | |
| /est Virginia | 3.28 | 3.35 | 3.31 | 2.82 | 3.00 | 2.70 | 2.75 | 5.00 | | | | |
| /isconsin | 2.87 | 2.97 | 2.56 | 2.71 | 3.01 | 4.19 | 2.88 | 2.64 | | | | |
| /yoming | 7.72 | 3.19 | 6.99 | 3.44 | 30.24 | 18.59 | 23.99 | 6.80 | | | | |
| | | | | | | | | | | | | |
| Total | 2.57 | 2.69 | 2.59 | 2.52 | 2.68 | 2.73 | 3.07 | 2.87 | | | | |

^a Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

⁼ Not Applicable.

Notes: Data for 1996 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. See Appendix A. Explanatory Note 5 for discussion of computations and revision policy.

See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.
Sources: Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 24. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1995-1997

| | Y7 19 | | YTD 1996 | | YTD 1995 | | 1997 | |
|----------------------|--------------|-------------|-------------|-------------|-------------|-------------------|------------|-------------|
| State | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial | Septe | mber |
| | Commercial | iliuustiiai | Commercial | iliuustilai | Commercial | industrial | Commercial | Industrial |
| Alabama | 54.8 | 17.7 | 82.5 | 22.9 | 81.4 | 23.4 | 33.1 | 17.6 |
| Alaska | 64.1 | 97.1 | 65.6 | 62.9 | 82.4 | 50.0 | 59.0 | 100.0 |
| Arizona | 84.8 | 24.3 | 85.6 | 20.2 | 88.6 | 25.7 | 83.9 | 30.3 |
| Arkansas | 94.2 | 10.6 | 95.3 | 12.8 | 95.7 | 13.9 | 90.9 | 8.7 |
| California | 50.6 | 10.2 | 55.2 | 10.4 | 53.5 | 13.0 | 40.9 | 9.9 |
| Colorado | 95.3 | 21.5 | 93.3 | 22.0 | 94.7 | 25.6 | NA | NA |
| Connecticut | 85.0 | 67.3 | 87.6 | 88.3 | 79.9 | 84.5 | 74.9 | 65.5 |
| Delaware | 100.0 | 30.7 | 100.0 | 39.4 | 100.0 | 68.5 | 100.0 | 25.7 |
| District of Columbia | 58.8 | _ | 74.5 | _ | 77.6 | _ | 35.5 | |
| Florida | 97.0 | 6.4 | 97.2 | 13.3 | 97.7 | 15.9 | 96.9 | NA |
| Georgia | 87.9 | 15.9 | 94.7 | 33.3 | 92.8 | 33.8 | 81.6 | 9.1 |
| Hawaii | 100.0 | - | 100.0 | - | 100.0 | - | 100.0 | |
| Idaho | 87.1 | 2.4 | 87.3 | 1.4 | 86.8 | 2.6 | NA NA | NA |
| Illinois | 54.3 | 10.3 | 54.0 | 12.8 | 49.8 | 10.4 | 46.7 | 10.4 |
| Indiana | 76.4 | 12.5 | NA | NA | 86.5 | 13.6 | 75.4 | 8.4 |
| lowa | 88.0 | 6.7 | 88.3 | 7.3 | 89.0 | 7.4 | 77.2 | 5.9 |
| Kansas | 66.0 | 9.1 | 70.5 | 7.6 | 72.5 | 12.1 | 50.3 | 6.4 |
| Kentucky | 89.0 | 15.9 | 91.0 | 29.0 | 88.2 | 26.3 | 83.9 | 13.0 |
| Louisiana | 89.5 | 8.1 | 98.2 | 10.2 | 98.1 | 29.8 | 71.0 | NA |
| Maine | 100.0 | 91.7 | 100.0 | 91.0 | 100.0 | 100.0 | 100.0 | 87.8 |
| Maryland | 73.7 | 12.9 | 91.9 | 12.5 | 97.2 | 14.6 | 49.0 | 2.0 |
| Massachusetts | 60.9 | 19.5 | 77.8 | 26.9 | 86.6 | 31.6 | 41.4 | 28.0 |
| Michigan | 63.0 | 6.5 | 67.0 | 9.1 | 65.4 | 9.0 | 38.8 | 3.1 |
| Minnesota | 98.4 | 41.8 | 96.8 | 40.4 | 94.1 | 33.5 | 97.7 | 41.9 |
| Mississippi | 94.9 | 36.7 | 97.6 | 41.5 | 97.2 | 42.7 | NA | NA |
| Missouri | 80.2 | 21.4 | 82.8 | 24.4 | 84.0 | 23.0 | 68.4 | 22.5 |
| Montana | 90.7 | 3.2 | 91.7 | 3.3 | 91.8 | 3.0 | 85.5 | 1.9 |
| Nebraska | 77.3 | 22.8 | NA | 20.3 | NA | 15.3 | 59.0 | 21.0 |
| Nevada | 71.9 | 1.9 | 75.3 | 1.6 | 77.8 | 1.8 | 62.9 | 4.6 |
| New Hampshire | 94.5 | 56.8 | 97.7 | 56.2 | 99.3 | 63.3 | NA | NA |
| New Jersey | 68.2 | 49.0 | 74.8 | 56.2 | 88.3 | 53.2 | 58.1 | 28.1 |
| New Mexico | 65.2 | 13.5 | 62.9 | 2.2 | 59.7 | 3.8 | 52.9 | 14.6 |
| New York | 57.6 | 6.5 | NA | 10.3 | 75.7 | 13.1 | NA | 7.3 |
| North Carolina | 92.9 | 34.2 | 97.3 | 61.2 | 91.1 | 41.8 | 86.4 | 21.2 |
| North Dakota | 88.7 | 41.4 | 87.8 | 18.2 | 80.9 | 17.3 | 74.7 | 19.4 |
| Ohio | 66.9 | 4.0 | 71.5 | 7.3 | 75.8 | 7.4 | 60.7 | 1.5 |
| Oklahoma | 86.3 | 4.7 | 84.8 | 6.6 | 86.2 | 17.5 | 75.5 | 3.2 |
| Oregon | 98.6 | 16.4 | 98.4 | 19.3 | 98.2 | 25.9 | 98.0 | 13.2 |
| Pennsylvania | 63.4 | 14.1 | 74.1 | 18.8 | 72.1 | 16.2 | 54.6 | 12.1 |
| Rhode Island | 83.7 | 18.3 | 94.4 | NA | 100.0 | 11.4 | 68.7 | 33.6 |
| South Carolina | 97.8 | 77.8 | 99.2 | 85.7 | 95.9 | 81.0 | 98.5 | 84.8 |
| South Dakota | 83.8 | 21.8 | NA | NA | 87.1 | 26.7 | 59.9 | 14.0 |
| Tennessee | 89.2 | 26.1 | 94.8 | 48.7 | 93.1 | 45.0 | 82.4 | 18.2 |
| Texas | | 17.0 | 83.6 | NA O | 69.5 | 27.9 | 47.0 | NA 10.0 |
| Utah | 82.8 | 9.2 | 81.7 | 8.8 | 82.0 | 11.2 | 74.8 | 12.0 |
| Vermont | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Virginia | 76.2 | 11.0 | 85.7 | 17.6 | 83.4 | 14.5 | 67.6 | 7.4 NA |
| Washington | 83.1 | 23.1 | 86.0 | 25.0 | 92.8 | 34.7 | NA | |
| West Virginia | | 11.9 | 55.0 | 14.4 | 50.6 | 14.0 | 29.8 | 11.8 |
| Wisconsin Wyoming | 92.4 61.1 | 24.0 2.1 | 92.1 NA | 37.7 NA | 91.7 NA | 47.8 NA | 78.2 NA | 19.1 2.7 |
| - | | | | | | | | |
| Total | 65.9 | 15.4 | 78.4 | 19.6 | 76.9 | 24.2 | 54.3 | 13.0 |

Table 24. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1995-1997 — Continued

| | 1997 | | | | | | | | |
|------------------------------|------------|--------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|--|
| State | August | | Ju | July | | ne | May | | |
| | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial | |
| | 05.4 | | | 47.0 | 40.5 | 47.0 | | 40.0 | |
| Alabama | | 17.4 | 22.8 | 17.3 | 49.5 | 17.2 | 55.5 | 18.0 | |
| Alaska | | 92.8 | 59.5 | 91.4 | 60.0 | 99.0 | 63.8 | 99.0 | |
| Arizona | | 30.1 | 79.7 | 31.3 | 82.7 | 18.7 | 86.1 | 18.1 | |
| Arkansas | | 7.9 | 89.9 | 9.3 | 90.7 | 10.2 | 91.4 | 11.3 | |
| California | 41.5 | 7.7 | 45.6 | 7.8 | 48.2 | 8.9 | 49.5 | 13.0 | |
| Colorado | NA | NA | NA | NA | NA | NA | NA | NA | |
| Connecticut | 80.1 | 62.1 | 72.8 | 63.5 | 77.1 | 63.7 | 79.7 | 65.6 | |
| Delaware | | 27.5 | 100.0 | 27.5 | 100.0 | 28.2 | 100.0 | 34.4 | |
| District of Columbia | 38.8 | _ | 43.9 | | 46.7 | _ | 53.7 | _ | |
| Florida | | 6.1 | 96.9 | 5.7 | 97.6 | 6.8 | 97.7 | 6.4 | |
| Coordia | 90.1 | 45.7 | 70.1 | 17.4 | 00.7 | 12.4 | 92.0 | 10.0 | |
| Georgia | | 15.7 | 79.1 | 17.4 | 82.7 | 13.4 | 83.9 | 12.9 | |
| Hawaii | | _ | 100.0 | F 0 | 100.0 | _ | 100.0 | | |
| Idaho | | 1.4 | 83.2 | 5.2 | 83.3 | 2.3 | 86.5 | 2.5 | |
| Illinois | | 5.3 | 45.8 | 3.4 | 54.8 | 14.7 | 47.4 | 13.8 | |
| Indiana | 74.7 | 7.8 | 72.4 | 9.0 | 39.6 | 9.2 | 38.3 | 9.6 | |
| lowa | 84.5 | 6.5 | 75.0 | 5.3 | 90.1 | 5.1 | 83.2 | 5.4 | |
| Kansas | | 7.0 | 59.1 | 5.4 | 56.3 | 4.8 | 58.3 | 13.9 | |
| Kentucky | | 11.5 | 82.9 | 12.4 | 87.7 | 14.1 | 85.3 | 15.7 | |
| Louisiana | | 7.0 | 98.8 | NA . | 98.6 | 7.6 | 98.5 | 8.4 | |
| Maine | | 88.6 | 100.0 | 100.0 | 100.0 | 88.5 | 100.0 | 91.2 | |
| | | В | | P | B | D | Page 4 | B | |
| Maryland | | R4.9 | 57.5 | R3.4 | ^R 56.5 | ^R 6.7 | ^R 62.3 | R12.5 | |
| Massachusetts | | 22.4 | 43.6 | 23.6 | 46.1 | 32.3 | 67.1 | 41.7 | |
| Michigan | | 3.9 | 54.7 | 5.8 | 44.8 | 5.4 | 57.7 | 7.8 | |
| Minnesota | | 37.0 NA | 98.4 NA | 47.2 NA | 97.0 | 37.7 | 97.8 | 39.3 | |
| Mississippi | | | | | 91.5 | 35.9 | 96.7 | 39.8 | |
| Missouri | 68.7 | 16.7 | 68.9 | 18.6 | 71.5 | 18.5 | 76.9 | 24.1 | |
| Montana | 87.4 | 2.0 | 90.4 | 1.7 | 88.7 | 2.2 | 90.2 | 2.1 | |
| Nebraska | NA | 15.0 | NA | 41.8 | 61.9 | 18.7 | NA | 21.4 | |
| Nevada | 63.1 | 7.0 | 73.2 | 10.2 | 61.0 | 9.9 | 65.7 | 7.4 | |
| New Hampshire | | 47.1 | 87.0 | 51.4 | 90.7 | 55.4 | 91.6 | 75.1 | |
| Now Jorgan | F0 0 | 44.0 | EE C | 26 F | 60.0 | 26.2 | EC E | 20 F | |
| New Jersey | | 44.0 | 55.6 | 26.5 | 60.8 | 26.3 | 56.5 | 28.5 | |
| New Mexico | A.I.A. | 18.3 NA | 53.5 NA | 18.5 NA | 43.1 NA | 8.1 NA | 59.5 NA | 10.9 NA | |
| New York | | 24.2 | | 20.4 | | 40.0 | | | |
| North Carolina North Dakota | | 24.2 28.1 | 84.6 46.5 | 20.4 45.7 | 97.5 80.8 | 40.8 28.9 | 89.3 88.7 | 21.7 36.5 | |
| North Barrota | 00.0 | 20.1 | 40.0 | 40.7 | 00.0 | 20.5 | 00.7 | 00.0 | |
| Ohio | 59.9 | 2.0 | 58.7 | 2.0 | 55.9 | 2.0 | 58.0 | 3.2 | |
| Oklahoma | 73.6 | 3.0 | 79.0 | 3.8 | 79.2 | 2.1 | 82.0 | 4.1 | |
| Oregon | 98.3 | 12.4 | 98.3 | 13.8 | 98.1 | 17.3 | 98.5 | 16.7 | |
| Pennsylvania | 64.5 | 12.5 | 54.5 | 9.7 | 54.7 | 13.1 | 48.0 | 13.3 | |
| Rhode Island | | 39.6 | 71.1 | 41.7 | 72.4 | 48.1 | 80.8 | 48.5 | |
| South Carolina | 06.4 | E7 0 | 00.0 | 74.0 | 04.0 | 00.0 | 400.0 | 07.0 | |
| South Carolina | | 57.3 | 99.9 | 71.9 | 91.0 | 89.0 | 100.0 | 87.0 | |
| South Dakota | | 12.7 | 78.3 | 12.0 | 83.7 NA | 10.7 NA | 80.7 | 17.3 | |
| Tennessee | | 19.8 | 80.7 | 24.4 | | | 86.7 | 29.6 | |
| Texas | | 14.1 | 50.6 | 14.2 | 56.6 | 19.1 | 56.5 | 18.1 | |
| Utah | 71.7 | 7.9 | 72.8 | 8.2 | 77.0 | 9.4 | 78.8 | 9.0 | |
| Vermont | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| Virginia | | 4.9 | 62.9 | 5.5 | 65.3 | 8.1 | 72.2 | 6.5 | |
| Washington | NI A | NA. | NA NA | NA. | 79.8 | 25.5 | 80.7 | 21.0 | |
| West Virginia | | 11.2 | 23.2 | 11.8 | 29.1 | 11.3 | 43.8 | 11.4 | |
| Wisconsin | | 17.3 | 91.3 | 17.5 | NA | NA NA | NA | 22.1 | |
| Wyoming | | 2.1 | R28.8 | ^R 2.1 | ^R 52.1 | 1.9 | ^R 77.8 | R1.8 | |
| • | | | | | | | | | |
| Total | 53.8 | R12.9 | ^R 55.3 | R13.4 | ^R 57.1 | 15.2 | 59.7 | 15.6 | |

Table 24. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1995-1997 — Continued

| | 1997 | | | | | | | | |
|-----------------------|-------------------|------------------|-------------------|-------------------|-------------------|--------------|--------------|--------------|--|
| State | Apı | ril | Mar | ch | Febru | ıary | January | | |
| | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial | |
| | | | | | | | | | |
| Alabama | 59.3 | 17.3 | 76.2 | 17.9 | 79.7 | 19.5 | 77.7 | 17.7 | |
| Alaska | 65.8 | 98.8 | 59.4 | 98.6 | 71.1 | 97.9 | 69.5 | 97.1 | |
| Arizona | 83.8 | 21.2 | 86.5 | 22.8 | 87.8 | 24.7 | 87.4 | 19.9 | |
| Arkansas | 93.5 | 10.9 | 94.9 | 12.1 | 96.6 | 13.6 | 96.1 | 12.9 | |
| California | 51.6 | 10.6 | 54.5 | 11.0 | 58.5 | 11.3 | 58.0 | 11.3 | |
| Colorado | 95.0 | 25.2 | NA | NA | NA | NA | NA | NA | |
| Connecticut | 87.1 | 68.2 | 87.0 | 68.2 | 90.2 | 78.8 | 90.1 | 76.0 | |
| Delaware | 100.0 | 35.6 | 100.0 | 32.7 | 100.0 | 34.0 | 100.0 | 28.8 | |
| District of Columbia | 100.0 | _ | 59.9 | _ | 62.8 | _ | 67.9 | _ | |
| Florida | 97.8 | 7.0 | 97.0 | 6.7 | 96.6 | 8.0 | 96.1 | 8.2 | |
| Georgia | 87.2 | 15.9 | 88.9 | 15.7 | 92.7 | 21.1 | 93.7 | 20.0 | |
| Hawaii | 100.0 | - | 100.0 | - | 100.0 | _ | 100.0 | | |
| Idaho | 86.1 | 2.1 | 87.8 | 2.1 | 89.7 | 2.2 | 87.8 | 1.9 | |
| Illinois | 53.1 | 8.4 | 54.4 | 10.3 | 54.3 | 9.8 | 62.0 | 14.6 | |
| Indiana | 82.1 | 10.6 | 86.5 | 12.7 | 93.0 | 19.8 | 93.7 | 20.1 | |
| lowa | 90.3 | 7.2 | 88.5 | 7.4 | 89.4 | 7.2 | 90.3 | 9.6 | |
| Kansas | 66.1 | 12.6 | 60.1 | 11.4 | 65.7 | 13.2 | 86.2 | 8.2 | |
| | 88.2 | 14.9 | 89.6 | 15.5 | 90.8 | 19.4 | 91.9 | 22.1 | |
| Kentucky Louisiana | 98.1 | 7.4 | 71.7 | 10.5 | 90.6 98.4 | 8.6 | 88.0 | 9.5 | |
| Maine | 100.0 | 91.3 | 100.0 | 91.8 | 100.0 | 100.0 | 100.0 | 100.0 | |
| ivialite | 100.0 | 91.5 | 100.0 | 31.0 | 100.0 | | 100.0 | 100.0 | |
| Maryland | ^R 76.8 | ^R 1.6 | 79.8 | ^R 17.3 | ^R 82.8 | NA | 84.5 | R2.8 | |
| Massachusetts | 72.2 | 38.5 | 70.9 | 34.4 | 67.3 | 36.8 | 67.3 | 48.6 | |
| Michigan | 65.3 | 10.4 | 66.4 | 12.8 | 69.4 | 14.2 | 69.2 | 14.0 | |
| Minnesota | 98.0 | 42.6 | 99.0 | 47.3 | 98.7 | 45.5 | 98.6 | 37.1 | |
| Mississippi | 92.4 | 35.4 | 95.8 | 36.5 | 96.3 | 37.6 | 96.9 | 38.4 | |
| Missouri | 80.7 | 16.7 | 83.9 | 27.3 | 79.9 | 19.5 | 86.3 | 28.3 | |
| Montana | 91.1 | 4.5 | 90.4 | 4.1 | 93.0 | 4.1 | 90.9 | 4.4 | |
| Nebraska | R72.3 | 19.0 | 70.8 | 21.8 | 92.8 | 27.0 | 77.6 | 28.9 | |
| Nevada | 69.2 | 8.0 | 78.1 | 7.3 | 79.7 | 15.2 | 77.2 | 8.3 | |
| New Hampshire | 92.0 | 62.3 | 94.0 | 53.6 | 99.1 | 52.1 | 98.8 | 44.2 | |
| New Jersey | 64.0 | 36.9 | 68.5 | 30.3 | 93.5 | 36.0 | 70.6 | 35.9 | |
| New Mexico | 58.1 | 2.8 | 70.5 | 3.9 | 72.5 | 2.1 | 74.0 | 19.4 | |
| New York | NA | NA | NA | NA | NA | NA | NA | NA | |
| North Carolina | 87.5 | 22.4 | 91.6 | 30.2 | 95.9 | 39.6 | 100.0 | 90.1 | |
| North Dakota | 91.9 | 39.4 | 91.4 | 59.4 | 93.9 | 49.5 | 93.4 | 43.3 | |
| Ohio | 64.8 | 3.3 | 69.2 | 5.5 | 68.5 | 5.6 | 72.5 | 8.4 | |
| Oklahoma | 86.3 | 3.7 | 88.1 | 5.9 | 90.5 | 8.7 | 90.7 | 7.4 | |
| Oregon | 98.5 | 19.3 | 98.8 | 19.6 | 98.9 | 20.2 | 98.8 | 17.0 | |
| Pennsylvania | 64.7 | 14.1 | 64.3 | 15.4 | 69.8 | 14.9 | 69.3 | 18.9 | |
| Rhode Island | 88.5 | 55.8 | 82.2 | 61.7 | 91.7 | 45.9 | 89.6 | 38.1 | |
| Courth Consider | 05.0 | 77 7 | 07.4 | 00.0 | 00.0 | 70.0 | 400.0 | 00.0 | |
| South Carolina | 95.8 | 77.7 | 97.4 | 80.3 | 98.2 | 78.2 | 100.0 | 86.8 | |
| South Dakota | 85.7 | 22.6 | 86.3 NA | 26.7 NA | 85.7 | 30.4 | 86.9 | 31.4 | |
| Tennessee | 90.4 | 28.1 | | | 92.5 | 28.7 | 94.0 | 35.9 | |
| Texas Utah | 59.2 83.8 | 20.1 9.2 | 66.7 83.0 | 17.3 6.7 | 67.8 87.2 | 17.1 10.8 | 65.4 86.2 | 19.2 10.2 | |
| - Cari | 55.0 | J.∠ | 00.0 | 0.1 | 01.2 | 10.0 | 00.2 | 10.2 | |
| Vermont | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| Virginia | 72.6 | 12.2 | 77.0 | 13.2 | 81.6 | 6.8 | 87.5 | 15.5 | |
| Washington | 83.1 | 26.8 | 86.0 | 27.3 | 86.7 | 26.8 | 87.8 | 26.7 | |
| West Virginia | 49.6 | 7.1 NA | 60.3 | 19.7 | 67.8 | 14.8 | 67.8 | 14.4 | |
| Wisconsin | NA Pool 4 | | 94.2 | 28.6 | 93.4 | 31.0 | 94.5 | 31.7 | |
| Wyoming | ^R 62.1 | R1.9 | R74.0 | ^R 1.8 | ^R 82.1 | R1.9 | R85.0 | R1.5 | |
| Total | ^R 66.5 | 16.0 | ^R 68.8 | 16.3 | 72.2 | 16.7 | 72.6 | R18.4 | |

Table 24. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1995-1997 — Continued

| Alabama 81.1 22.6 80.7 22.4 73.2 22.8 71.2 Alabama 81.1 22.6 80.7 22.4 73.2 22.8 71.2 Alabama 85.2 19.7 84.1 19.9 84.1 18.2 83.2 Arizona 85.2 19.7 84.1 19.9 84.1 18.2 83.2 Arizona 95.0 13.3 95.7 13.8 94.1 13.6 90.2 California 54.9 11.2 56.1 9.9 57.9 10.8 44.1 13.6 90.2 California 54.9 11.2 56.1 9.9 57.9 10.8 44.1 13.6 90.2 Colorado 93.2 7.4 94.3 7.1 92.8 83 89.1 Connecticut 87.0 84.6 87.9 80.1 84.0 74.8 81.3 Delaware 100.0 37.3 100.0 30.8 100.0 32.5 100.0 District of Columbia 70.5 — 65.3 — 55.1 — 48.0 Florida 97.1 13.4 96.1 12.5 97.0 11.1 97.4 Georgia 94.1 32.2 93.2 31.6 92.2 26.7 90.6 Hawaii 100.0 — 100.0 4.4 87.6 26.8 84.9 0.5 7.9 0.6 Hawaii 100.0 — 100.0 — 100.0 — 100.0 Hambook 96.3 16.6 97.4 21.4 96.1 10.3 91.5 Hawaii 100.8 86.8 1.4 87.6 2.6 84.9 0.5 7.0 10.0 Hambook 96.3 16.6 97.4 21.4 96.1 16.3 91.5 Hawaii 100.8 87.7 90 87.2 11.7 86.6 18.4 81.8 Kansas 71.7 7.7 71.6 8.3 82.4 6.9 70.0 Kansas 71.7 71.7 71.7 71.6 8.3 82.4 6.9 70.0 Kansas 71.7 71.7 71.6 8.3 82.4 6.9 70.0 Kansas 71.7 71.7 71.6 8.3 82.4 6.9 70.0 Kansas 71.7 71.7 71.7 71.6 8.3 82.4 6.9 70.0 Kansas 71.7 71.7 71.6 8.3 82.4 6.9 70.0 Kansas 71.7 71.7 71.7 71.7 71.7 71.7 | | 1996 | | | | | | | | |
|--|----------------|------------|------------|------------|------------|------------|------------|------------|--------------|--|
| Alabams | State | Total | | Decer | December | | nber | October | | |
| Alaska 63.4 64.3 61.8 68.0 58.2 71.3 54.2 Artzona 85.2 19.7 84.1 19.9 84.1 18.2 83.2 Artzona 85.2 19.7 84.1 19.9 84.1 13.6 99.2 California 54.9 11.2 56.1 9.9 57.9 10.8 44.1 Colorado 93.2 7.4 94.3 7.1 92.8 8.3 89.1 Connecticut 87.0 84.6 87.9 80.1 84.0 74.8 81.3 Delaware 100.0 37.3 100.0 30.8 100.0 32.5 100.0 District Of Columbia 70.5 - 83.3 - 55.1 - 48.0 Pictoria 97.1 13.4 96.1 12.5 97.0 11.1 97.4 Pictoria 97.1 13.4 96.1 12.5 97.0 11.1 97.4 Pictoria 97.1 13.4 96.1 12.5 97.0 11.1 97.4 Pictoria 100.0 - 100.0 - 100.0 - 100.0 - 100.0 District Of Columbia 99.1 13.7 86.1 12.5 97.0 11.1 97.4 Pictoria 100.0 - 100.0 - 100.0 - 100.0 District Of Columbia 99.3 13.7 56.1 22.5 53.0 13.7 48.8 Indiana 96.3 16.6 97.4 21.4 96.1 16.3 91.5 Pictoria 100.0 87.7 21.4 96.1 16.3 91.5 Pictoria 99.3 13.7 56.1 22.5 53.0 13.7 48.8 Indiana 96.3 16.6 97.4 21.4 96.1 16.3 91.5 Pictoria 100.0 87.7 11.7 86.6 18.4 81.8 Kansas 71.7 7.7 71.6 83.8 82.4 6.9 70.0 Kentucky 90.8 27.1 91.9 24.1 88.9 21.5 88.9 Evidence 100.0 90.2 100.0 90.2 91.5 100.0 90.2 100.0 90.5 91.5 100.0 90.0 90.0 90.5 91.5 100.0 90.0 90.0 90.5 91.5 100.0 90.0 90.0 90.5 91.5 100.0 90.0 90.0 90.5 91.5 100.0 90.0 90.0 90.0 90.0 91.5 100.0 90.0 90.0 90.0 90.0 91.5 100.0 90.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 90.0 91.5 100.0 90.0 91.5 100.0 90.0 91.5 100.0 90.0 91.5 100.0 90.0 91.5 100.0 90.0 91.5 100.0 90.0 91.5 100.0 90.0 91.5 100.0 90.0 91.5 100.0 90.0 91.5 100.0 90.0 91.5 100.0 91.5 100.0 91.5 100.0 91.5 100.0 91.5 100.0 91 | | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial | |
| Alaska 63.4 64.3 61.8 68.0 58.2 71.3 54.2 Arkona 85.2 19.7 84.1 19.9 84.1 18.2 83.2 Arkonasa 95.0 13.3 95.7 13.8 94.1 13.6 99.2 California 54.9 11.2 56.1 9.9 57.9 10.8 44.1 10.6 19.2 Colorado 93.2 7.4 94.3 7.1 92.8 8.3 89.1 Connecticut 87.0 84.6 87.9 80.1 84.0 74.8 81.3 Delaware 100.0 37.3 100.0 30.8 100.0 32.5 100.0 District of Columbia 70.5 - 83.3 - 85.1 - 48.0 Pichida 97.1 13.4 96.1 12.5 97.0 11.1 97.4 Pichida 97.1 13.4 97.0 12.5 Pichida 97.2 12.5 Pichida 97.0 12.5 Pichida 97.2 Pichid | | | | | | | | | | |
| Arizona 85.2 19.7 84.1 19.9 84.1 18.2 83.2 Arizona 95.0 13.3 95.7 13.8 94.1 13.2 83.2 Arizona 95.0 13.3 95.7 13.8 94.1 13.6 90.2 California 54.9 11.2 56.1 9.9 57.9 10.8 44.1 18.2 83.2 Arizona 95.0 13.3 95.7 13.8 94.1 13.6 90.2 California 54.9 11.2 56.1 9.9 57.9 10.8 44.1 18.2 83.2 Arizona 95.0 13.3 95.7 13.8 94.1 13.6 90.2 California 54.9 11.2 56.1 9.9 57.9 10.8 44.1 14.1 14.1 14.1 14.1 14.1 14.1 14 | Alabama | 81.1 | 22.6 | 80.7 | 22.4 | 73.2 | 22.6 | 71.2 | 20.4 | |
| Arkansas 95.0 13.3 95.7 13.8 94.1 13.6 90.2 California 54.9 11.2 56.1 9.9 57.9 10.8 44.1 Colorado 93.2 7.4 94.3 7.1 92.8 8.3 89.1 Connecticut 87.0 84.6 87.9 80.1 84.0 74.8 81.3 Delaware 100.0 37.3 100.0 30.8 100.0 32.5 100.0 Delatric of Columbia 70.5 — 65.3 — 55.1 — 48.0 Fiornia 97.1 13.4 96.1 12.5 97.0 11.1 97.4 Fiornia 97.1 13.4 96.1 12.5 97.0 11.1 97.4 Fiornia 100.0 — 100.0 — 100.0 — 100.0 Fiornia 100.0 — 100.0 — 100.0 — 100.0 Fiornia 100.0 — 100.0 Fiornia 100.0 Fiornia 100.0 — 100.0 Fiornia | Alaska | 63.4 | 64.3 | 61.8 | 68.0 | 58.2 | 71.3 | 54.2 | 64.8 | |
| Delformia S4.9 11.2 S6.1 9.9 57.9 10.8 44.1 | Arizona | 85.2 | 19.7 | 84.1 | 19.9 | 84.1 | 18.2 | 83.2 | 16.8 | |
| Dolorado 93.2 7.4 94.3 7.1 92.8 8.3 89.1 | Arkansas | 95.0 | 13.3 | 95.7 | 13.8 | 94.1 | 13.6 | 90.2 | 13.6 | |
| Donnecticut | California | 54.9 | 11.2 | 56.1 | 9.9 | 57.9 | 10.8 | 44.1 | 9.3 | |
| Donnecticut | Colorado | 93.2 | 7 4 | 94.3 | 7 1 | 92 8 | 8.3 | 89 1 | 9.7 | |
| Delaware 100.0 37.3 100.0 30.8 100.0 32.5 100.0 Eloritcid (Columbia 70.5 - 65.3 - 55.1 - 48.0 Florida 97.1 13.4 96.1 12.5 97.0 11.1 97.4 Georgia 94.1 32.2 93.2 31.6 92.2 26.7 90.6 Halwaii 100.0 - 100.0 - 100.0 - 100.0 Idaho 86.6 1.4 87.6 2.6 84.9 0.5 77.3 Illinois 53.9 13.7 56.1 22.5 53.0 13.7 48.8 Indiana 96.3 16.6 97.4 21.4 96.1 16.3 91.5 Iowa 87.7 9.0 87.2 11.7 86.6 18.4 81.8 Kasass 71.7 7.7 71.6 8.3 82.4 6.9 70.0 Kentucky 90.8 27.1 91.9 24.1 88.9 21.5 88.9 Louisiana 98.3 10.6 98.0 11.3 98.3 NA 99.6 Maine 100.0 91.0 100.0 90.2 100.0 91.5 100.0 Maryland 91.9 11.7 93.2 19.7 92.2 2.1 87.3 Massachusetts 74.7 41.9 68.9 33.8 62.5 45.3 69.5 Michigan 66.9 41.3 95.6 44.5 94.8 44.1 92.4 Mississiph 97.4 41.7 96.9 44.1 96.7 44.8 96.0 Miscouri 82.2 24.7 84.8 37.8 67.2 12.7 55.8 Minchigan 91.5 34.4 92.7 43.3 91.6 44.4 87.5 Nebraska 70.0 20.4 76.6 23.5 68.6 23.3 40.3 New Horston 96.5 59.4 99.0 91.6 92.0 49.7 85.7 New Mortican 96.5 59.4 99.0 91.6 92.0 49.7 85.7 New Mortican 96.5 59.4 99.0 91.6 92.0 49.7 85.7 New Mortican 96.5 59.4 99.0 91.6 92.0 49.7 85.7 New Mortican 96.5 59.4 99.0 91.6 92.0 49.7 85.7 New Mortican 96.5 59.4 99.0 91.6 92.0 49.7 85.7 New Mortican 96.5 59.4 99.0 91.6 92.0 49.7 85.7 New Mortican 96.5 59.4 99.0 91.6 92.0 49.7 85.7 New Mortican 96.5 59.4 99.0 91.6 92.0 49.7 85.7 New Mortican 96.5 59.4 99.0 91.6 92.0 49.7 85.7 North Dakota 88.0 86.6 61.0 98.3 97.4 85.8 96.4 North Carcina 99.0 85.8 100.0 89.3 97.4 85.8 96.4 North Carcina 99.0 85.8 100.0 89.3 97.4 85.8 96.4 North Carcina 99.0 85.8 1 | | | | | | | | | 71.9 | |
| District of Columbia 70.5 - 65.3 - 55.1 - 48.0 | | | | | | | | | 30.7 | |
| Fibrida 97.1 13.4 96.1 12.5 97.0 11.1 97.4 | | | | | - 50.0 | | | | 50.7 | |
| Seorgia | | | | | 10 5 | | | | 12.2 | |
| Hawaii | -iorida | 97.1 | 13.4 | 90.1 | 12.5 | 97.0 | 11.1 | 97.4 | 12.2 | |
| Idaho | • | | 32.2 | | 31.6 | | 26.7 | | 28.9 | |
| Illinois | | | | | | | | | - | |
| Indiana 96.3 16.6 97.4 21.4 96.1 16.3 91.5 lovva 87.7 9.0 87.2 11.7 86.6 18.4 81.8 43.8 43.8 | | | | | | | | | 1.7 | |
| New Jersey 73.3 53.6 70.2 35.5 69.4 52.7 67.2 67.2 67.2 67.5 6 | | | | | | | | | 8.6 | |
| Kansas 71.7 7.7 71.6 8.3 82.4 6.9 70.0 Kentucky 90.8 27.1 91.9 24.1 88.9 21.5 88.9 Louisiana 98.3 10.6 98.0 11.3 98.3 NA 98.6 Maine 100.0 91.0 100.0 90.2 100.0 91.5 100.0 Maryland 91.9 11.7 93.2 19.7 92.2 2.1 87.3 Massachusetts 74.7 41.9 68.9 33.8 62.5 45.3 69.5 Michigan 66.9 12.5 70.2 15.8 67.2 12.7 55.8 Michigan 66.9 12.5 70.2 15.8 67.2 12.7 55.8 Michigan 66.9 12.5 70.2 15.8 67.2 12.7 55.8 Michigan 97.4 41.7 96.9 44.1 96.7 44.8 96.0 Missouri 82.2 24.7 84.6 33.1 78.6 27.7 69.3 Missouri 82.2 24.7 84.6 33.1 78.6 27.7 69.3 Missouri 82.2 24.7 84.6 33.1 78.6 27.7 69.3 Missouri 82.2 24.7 84.6 33.1 78.6 23.3 40.3 Newada 74.2 7.2 74.9 7.8 70.8 70.8 74.4 64.0 New Hampshire 90.9 55.4 96.1 45.4 93.6 59.3 94.3 New Hampshire 90.9 55.4 96.1 45.4 93.6 59.3 94.3 New Jersey 73.3 53.6 70.2 35.5 69.4 52.7 67.2 New Mexico 64.7 3.5 71.8 13.3 68.5 4.8 63.5 New York 77.0 14.7 NA 13.1 NA 11.4 NA North Carolina 96.5 59.4 99.0 91.6 92.0 49.7 85.7 North Dakota 88.0 26.5 91.0 43.9 89.7 49.6 79.9 Ohio 71.8 74.8 74.0 10.0 72.4 7.8 68.5 Oklahoma 84.5 6.6 87.6 7.1 82.1 7.6 73.0 Oregon 93.3 18.0 98.6 16.0 98.3 14.4 97.0 Pennsylvania 70.4 18.5 61.0 22.3 63.3 16.6 59.7 Rhode Island 91.8 16.9 89.1 12.4 87.3 17.4 66.5 South Dakota 88.0 94.3 47.0 95.3 42.8 92.8 40.6 87.3 Tennsylvania 70.4 18.5 61.0 22.3 63.3 16.6 59.7 Rhode Island 91.8 16.9 89.1 12.4 87.3 17.4 66.5 South Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81. | Indiana | 96.3 | 16.6 | 97.4 | 21.4 | 96.1 | 16.3 | 91.5 | 11.7 | |
| Kansas 71.7 7.7 71.6 8.3 82.4 6.9 70.0 Kentucky 90.8 27.1 91.9 24.1 88.9 21.5 88.9 Louisiana 98.3 10.6 98.0 11.3 98.3 NA 98.6 Maine 100.0 91.0 100.0 90.2 100.0 91.5 100.0 Maryland 91.9 11.7 93.2 19.7 92.2 2.1 87.3 Massachusetts 74.7 41.9 68.9 33.8 62.5 45.3 69.5 Michigan 66.9 12.5 70.2 15.8 67.2 12.7 55.8 Michigan 66.9 12.5 70.2 15.8 67.2 12.7 55.8 Michigan 66.9 12.5 70.2 15.8 67.2 12.7 55.8 Michigan 97.4 41.7 96.9 44.1 96.7 44.8 96.0 Missouri 82.2 24.7 84.6 33.1 78.6 27.7 69.3 Missouri 82.2 24.7 84.6 33.1 78.6 27.7 69.3 Missouri 82.2 24.7 84.6 33.1 78.6 27.7 69.3 Missouri 82.2 24.7 84.6 33.1 78.6 23.3 40.3 Newada 74.2 7.2 74.9 7.8 70.8 70.8 74.4 64.0 New Hampshire 90.9 55.4 96.1 45.4 93.6 59.3 94.3 New Hampshire 90.9 55.4 96.1 45.4 93.6 59.3 94.3 New Jersey 73.3 53.6 70.2 35.5 69.4 52.7 67.2 New Mexico 64.7 3.5 71.8 13.3 68.5 4.8 63.5 New York 77.0 14.7 NA 13.1 NA 11.4 NA North Carolina 96.5 59.4 99.0 91.6 92.0 49.7 85.7 North Dakota 88.0 26.5 91.0 43.9 89.7 49.6 79.9 Ohio 71.8 74.8 74.0 10.0 72.4 7.8 68.5 Oklahoma 84.5 6.6 87.6 7.1 82.1 7.6 73.0 Oregon 93.3 18.0 98.6 16.0 98.3 14.4 97.0 Pennsylvania 70.4 18.5 61.0 22.3 63.3 16.6 59.7 Rhode Island 91.8 16.9 89.1 12.4 87.3 17.4 66.5 South Dakota 88.0 94.3 47.0 95.3 42.8 92.8 40.6 87.3 Tennsylvania 70.4 18.5 61.0 22.3 63.3 16.6 59.7 Rhode Island 91.8 16.9 89.1 12.4 87.3 17.4 66.5 South Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81.2 93. 79.5 New Dakota 88.9 90.0 84.4 97. 81. | lowa | 87.7 | 9.0 | 87.2 | 11.7 | 86.6 | 18.4 | 81.8 | 9.8 | |
| Membrane | | | 7.7 | | | | | | 9.2 | |
| Designation 100.0 100.0 11.3 10.0 100.0 | | | | | | | | | 20.9 | |
| Maine 100.0 91.0 100.0 90.2 100.0 91.5 100.0 Maryland 91.9 11.7 93.2 19.7 92.2 2.1 87.3 Massachusetts 74.7 41.9 68.9 33.8 62.5 45.3 69.5 Michigan 66.9 12.5 70.2 15.8 67.2 12.7 55.8 Minnesota 96.2 41.3 95.6 44.5 94.8 44.1 92.4 Mississippi 97.4 41.7 96.9 44.1 96.7 44.8 96.0 Missouri 82.2 24.7 84.6 33.1 78.6 27.7 69.3 Montana 91.5 3.4 92.7 4.3 91.6 27.7 69.3 Montana 91.5 3.4 92.7 4.3 91.6 27.7 69.3 Montana 91.5 3.4 92.7 78.7 70.8 3.3 40.3 Nevaria 70.0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>NA NA</td> <td></td> <td>NA.</td> | | | | | | | NA NA | | NA. | |
| Massachusetts 74.7 41.9 68.9 33.8 62.5 45.3 69.5 Michigan 66.9 12.5 70.2 15.8 67.2 12.7 55.8 Minnesota 96.2 41.3 95.6 44.5 94.8 44.1 92.4 Mississippi 97.4 41.7 96.9 44.1 96.7 44.8 96.0 Missouri 82.2 24.7 84.6 33.1 78.6 27.7 69.3 Montana 91.5 3.4 92.7 4.3 91.6 4.4 87.5 Nebraska 70.0 20.4 76.6 23.5 68.6 23.3 40.3 New Hampshire 96.9 55.4 96.1 45.4 93.6 59.3 94.3 New Jersey 73.3 53.6 70.2 35.5 69.4 52.7 67.2 New Mexico 64.7 3.5 71.8 13.3 68.5 48 63.5 New York 77.0 14.7 NA 13.1 NA 11.4 NA North Dakota 88.0 26.5 91.0 43.9 89.7 49.6 79.9 Ohio 71.8 7.4 74.0 | | | | | | | 91.5 | | 91.3 | |
| Massachusetts 74.7 41.9 68.9 33.8 62.5 45.3 69.5 Michigan 66.9 12.5 70.2 15.8 67.2 12.7 55.8 Minnesota 96.2 41.3 95.6 44.5 94.8 44.1 92.4 Mississippi 97.4 41.7 96.9 44.1 96.7 44.8 96.0 Missouri 82.2 24.7 84.6 33.1 78.6 27.7 69.3 Montana 91.5 3.4 92.7 4.3 91.6 4.4 87.5 Nebraska 70.0 20.4 76.6 23.5 68.6 23.3 40.3 New Hampshire 96.9 55.4 96.1 45.4 93.6 59.3 94.3 New Jersey 73.3 53.6 70.2 35.5 69.4 52.7 67.2 New Mexico 64.7 3.5 71.8 13.3 68.5 48 63.5 New Mexico 64.7 3.5 71.8 13.3 68.5 48 63.5 New Mexico 64.7 73.5 71.8 13.1 NA 11.4 NA North Carolina 96.5 59.4 9 | Mandand | 04.0 | 44.7 | 00.0 | 40.7 | 00.0 | 0.4 | 07.0 | 0.7 | |
| Wichigan 66.9 12.5 70.2 15.8 67.2 12.7 55.8 Wilningsour 96.2 41.3 95.6 44.5 94.8 44.1 92.4 Wilssissippi 97.4 41.7 96.9 44.1 96.7 44.8 96.0 Wilssouri 82.2 24.7 84.6 33.1 78.6 27.7 69.3 Wontana 91.5 3.4 92.7 4.3 91.6 4.4 87.5 Vebraska 70.0 20.4 76.6 23.5 68.6 23.3 40.3 Newada 74.2 7.2 74.9 7.8 70.8 7.4 64.0 New Hampshire 96.9 55.4 96.1 45.4 93.6 59.3 94.3 New Jersey 73.3 53.6 70.2 35.5 69.4 52.7 67.2 67.2 60.4 52.7 67.2 67.2 60.4 60.5 60.5 60.4 60.5 70.2 60. | | | | | | | | | 3.7 | |
| Wilnnesota 96.2 41.3 95.6 44.5 94.8 44.1 92.4 Wilsissippi 97.4 41.7 96.9 44.1 96.7 44.8 96.0 Wilsissippi 97.4 41.7 96.9 44.1 96.7 44.8 96.0 Wilsissippi 97.4 41.7 96.9 44.1 96.7 44.8 96.0 Wondana 91.5 3.4 92.7 4.3 91.6 4.4 87.5 Nebraska 70.0 20.4 76.6 23.5 68.6 23.3 40.3 New Alexida 74.2 7.2 74.9 7.8 70.8 7.4 64.0 New Jersey 73.3 53.6 70.2 35.5 69.4 52.7 67.2 New Mexico 64.7 3.5 71.8 13.3 68.5 4.8 63.5 New York 77.0 14.7 NA 13.1 NA 11.4 NA North Carolina <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>39.6</td></t<> | | | | | | | | | 39.6 | |
| Wississippi 97.4 41.7 96.9 44.1 96.7 44.8 96.0 Wissouri 82.2 24.7 84.6 33.1 78.6 27.7 69.3 Montana 91.5 3.4 92.7 4.3 91.6 4.4 87.5 Nebraska 70.0 20.4 76.6 23.5 68.6 23.3 40.3 Newada 74.2 7.2 74.9 7.8 70.8 7.4 64.0 New Hampshire 96.9 55.4 96.1 45.4 93.6 59.3 94.3 New Jersey 73.3 53.6 70.2 35.5 69.4 52.7 67.2 New Mexico 64.7 3.5 71.8 13.3 68.5 4.8 63.5 New York 77.0 14.7 NA 13.1 NA 11.4 NA North Dakota 88.0 26.5 91.0 43.9 89.7 49.6 79.9 Ohio 71.8 7.4 74.0 10.0 72.4 7.8 68.5 Oklahoma< | | | | | | | | | 8.1 | |
| Missouri 82.2 24.7 84.6 33.1 78.6 27.7 69.3 Montana 91.5 3.4 92.7 4.3 91.6 4.4 87.5 Nebraska 70.0 20.4 76.6 23.5 68.6 23.3 40.3 Nevada 74.2 7.2 74.9 7.8 70.8 7.4 64.0 New Hampshire 96.9 55.4 96.1 45.4 93.6 59.3 94.3 New Jersey 73.3 53.6 70.2 35.5 69.4 52.7 67.2 New Mexico 64.7 3.5 71.8 13.3 68.5 4.8 63.5 New York 77.0 14.7 Na 13.1 Na 11.4 Na North Carolina 96.5 59.4 99.0 91.6 92.0 49.7 85.7 North Dakota 88.0 26.5 91.0 43.9 89.7 49.6 79.9 Ohio 71.8 7.4 74.0 10.0 72.4 7.8 68.5 Oklahoma 84.5 6.6 87.6 7.1 82.1 7.6 73.0 Ortegon 98.3 18.0 88.6 16.0 88.3 14.4 97.0 Pennsylvania 70.4 18.5 61.0 22.3 63.3 16.6 59.7 Rhode Island 91.8 16.9 89.1 12.4 87.3 17.4 66.5 South Dakota 82.7 24.6 82.8 23.5 80.6 24.2 72.9 Fennessee 94.3 47.0 95.3 42.8 92.8 40.6 87.3 Fexas 83.5 20.2 87.1 17.5 84.2 16.5 Na Surant Masteria 85.9 24.4 87.4 27.2 84.6 22.2 82.7 West Virginia 56.3 14.3 71.3 14.4 54.5 14.8 43.4 Wisconsin 91.6 36.4 91.8 84.5 56.3 14.3 71.3 14.4 54.5 14.8 43.4 Wisconsin 91.6 36.4 91.8 88.1 22.1 84.8 21.4 7.6 73.0 Ortegon 98.3 47.0 95.3 42.8 92.8 40.6 87.3 17.4 66.5 South Dakota 82.7 24.6 82.8 23.5 80.6 24.2 72.9 South Dakota 82.7 24.6 | Minnesota | | | | | | | | 41.2 | |
| Montana 91.5 3.4 92.7 4.3 91.6 4.4 87.5 Nebraska 70.0 20.4 76.6 23.5 68.6 23.3 40.3 Newada 74.2 7.2 74.9 7.8 70.8 7.4 64.0 New Hampshire 96.9 55.4 96.1 45.4 93.6 59.3 94.3 New Jersey 73.3 53.6 70.2 35.5 69.4 52.7 67.2 New Mexico 64.7 3.5 71.8 13.3 68.5 4.8 63.5 New York 77.0 14.7 Na 13.1 Na 11.4 Na North Dakota 88.0 26.5 99.0 91.6 92.0 49.7 85.7 North Dakota 88.0 26.5 91.0 43.9 89.7 49.6 79.9 Ohio 71.8 7.4 74.0 10.0 72.4 7.8 68.5 Oklahoma 84.5 | Mississippi | 97.4 | 41.7 | 96.9 | 44.1 | 96.7 | 44.8 | 96.0 | 39.1 | |
| Nebraska 70.0 20.4 76.6 23.5 68.6 23.3 40.3 Nevada 74.2 7.2 74.9 7.8 70.8 70.8 7.4 64.0 New Hampshire 96.9 55.4 96.1 45.4 93.6 59.3 94.3 New Hampshire 96.9 55.4 96.1 45.4 93.6 59.3 94.3 New Jersey 73.3 53.6 70.2 35.5 69.4 52.7 67.2 New Mexico 64.7 3.5 71.8 13.3 68.5 4.8 63.5 New York 77.0 14.7 NA 13.1 NA 11.4 NA North Carolina 96.5 59.4 99.0 91.6 92.0 49.7 85.7 North Dakota 88.0 26.5 91.0 43.9 89.7 49.6 79.9 North Dakota 88.0 26.5 91.0 43.9 89.7 49.6 79.9 North Dakota 84.5 6.6 87.6 7.1 82.1 7.6 73.0 Oregon 98.3 18.0 98.6 16.0 98.3 14.4 97.0 Pennsylvania 70.4 18.5 61.0 22.3 63.3 16.6 59.7 Rhode Island 91.8 16.9 89.1 12.4 87.3 17.4 66.5 South Carolina 99.0 85.8 100.0 89.3 97.4 85.8 96.4 South Dakota 82.7 24.6 82.8 23.5 80.6 24.2 72.9 Tennessee 94.3 47.0 95.3 42.8 92.8 40.6 87.3 Texas 83.5 20.2 87.1 17.5 84.2 16.5 NA Utah 181.9 9.0 84.4 9.7 81.2 9.3 79.5 Vermont 100.0 100. | Missouri | 82.2 | 24.7 | 84.6 | 33.1 | 78.6 | 27.7 | 69.3 | 17.0 | |
| Nevada 74.2 7.2 74.9 7.8 70.8 7.4 64.0 New Hampshire 96.9 55.4 96.1 45.4 93.6 59.3 94.3 New Jersey 73.3 53.6 70.2 35.5 69.4 52.7 67.2 New Mexico 64.7 3.5 71.8 13.3 68.5 4.8 63.5 New York 77.0 14.7 NA 13.1 NA 11.4 NA North Carolina 96.5 59.4 99.0 91.6 92.0 49.7 85.7 North Dakota 88.0 26.5 91.0 43.9 89.7 49.6 79.9 Ohio 71.8 7.4 74.0 10.0 72.4 7.8 68.5 Oklahoma 84.5 6.6 87.6 7.1 82.1 7.6 73.0 Oregon 98.3 18.0 98.6 16.0 98.3 14.4 97.0 Pennsylvania 70.4 <td>Montana</td> <td>91.5</td> <td>3.4</td> <td>92.7</td> <td>4.3</td> <td>91.6</td> <td>4.4</td> <td>87.5</td> <td>2.8</td> | Montana | 91.5 | 3.4 | 92.7 | 4.3 | 91.6 | 4.4 | 87.5 | 2.8 | |
| New Hampshire 96.9 55.4 96.1 45.4 93.6 59.3 94.3 New Jersey 73.3 53.6 70.2 35.5 69.4 52.7 67.2 New Mexico 64.7 3.5 71.8 13.3 68.5 4.8 63.5 New York 77.0 14.7 NA 13.1 NA 11.4 NA North Carolina 96.5 59.4 99.0 91.6 92.0 49.7 85.7 North Dakota 88.0 26.5 91.0 43.9 89.7 49.6 79.9 Ohio 71.8 7.4 74.0 10.0 72.4 7.8 68.5 Oklahoma 84.5 6.6 87.6 7.1 82.1 7.6 73.0 Oregon 98.3 18.0 98.6 16.0 98.3 14.4 97.0 Pennsylvania 70.4 18.5 61.0 22.3 63.3 16.6 59.7 Rhode Island <td< td=""><td>Nebraska</td><td>70.0</td><td>20.4</td><td>76.6</td><td>23.5</td><td>68.6</td><td>23.3</td><td>40.3</td><td>15.2</td></td<> | Nebraska | 70.0 | 20.4 | 76.6 | 23.5 | 68.6 | 23.3 | 40.3 | 15.2 | |
| New Jersey 73.3 53.6 70.2 35.5 69.4 52.7 67.2 New Mexico 64.7 3.5 71.8 13.3 68.5 4.8 63.5 New York 77.0 14.7 NA 13.1 NA 11.4 NA NA North Carolina 96.5 59.4 99.0 91.6 92.0 49.7 85.7 North Dakota 88.0 26.5 91.0 43.9 89.7 49.6 79.9 North Dakota 84.5 6.6 87.6 7.1 82.1 7.6 73.0 Oregon 98.3 18.0 98.6 16.0 98.3 14.4 97.0 Pennsylvania 70.4 18.5 61.0 22.3 63.3 16.6 59.7 Rhode Island 91.8 16.9 89.1 12.4 87.3 17.4 66.5 South Carolina 99.0 85.8 100.0 89.3 97.4 85.8 96.4 South Dakota 82.7 24.6 82.8 23.5 80.6 24.2 72.9 Tennessee 94.3 47.0 95.3 42.8 92.8 40.6 87.3 Texas 83.5 20.2 87.1 17.5 84.2 16.5 NA Utah 81.9 9.0 84.4 9.7 81.2 9.3 79.5 Vermont 100.0 10 | Nevada | 74.2 | 7.2 | 74.9 | 7.8 | 70.8 | 7.4 | 64.0 | 5.2 | |
| New Mexico 64.7 3.5 71.8 13.3 68.5 4.8 63.5 New York 77.0 14.7 NA 13.1 NA 11.4 NA North Carolina 96.5 59.4 99.0 91.6 92.0 49.7 85.7 North Dakota 88.0 26.5 91.0 43.9 89.7 49.6 79.9 Dhio 71.8 7.4 74.0 10.0 72.4 7.8 68.5 Dklahoma 84.5 6.6 87.6 7.1 82.1 7.6 73.0 Dregon 98.3 18.0 98.6 16.0 98.3 14.4 97.0 Pennsylvania 70.4 18.5 61.0 22.3 63.3 16.6 59.7 Rhode Island 91.8 16.9 89.1 12.4 87.3 17.4 66.5 South Carolina 99.0 85.8 100.0 89.3 97.4 85.8 96.4 South Dakota | New Hampshire | 96.9 | 55.4 | 96.1 | 45.4 | 93.6 | 59.3 | 94.3 | 53.7 | |
| New Mexico 64.7 3.5 71.8 13.3 68.5 4.8 63.5 New York 77.0 14.7 NA 13.1 NA 11.4 NA North Carolina 96.5 59.4 99.0 91.6 92.0 49.7 85.7 North Dakota 88.0 26.5 91.0 43.9 89.7 49.6 79.9 Ohio 71.8 7.4 74.0 10.0 72.4 7.8 68.5 Oklahoma 84.5 6.6 87.6 7.1 82.1 7.6 73.0 Oregon 98.3 18.0 98.6 16.0 98.3 14.4 97.0 Pennsylvania 70.4 18.5 61.0 22.3 63.3 16.6 59.7 Rhode Island 91.8 16.9 89.1 12.4 87.3 17.4 66.5 South Carolina 99.0 85.8 100.0 89.3 97.4 85.8 96.4 South Dakota | New .lersev | 73.3 | 53.6 | 70.2 | 35.5 | 69 4 | 52 7 | 67.2 | 48.2 | |
| New York 77.0 14.7 NA 13.1 NA 11.4 NA North Carolina 96.5 59.4 99.0 91.6 92.0 49.7 85.7 North Dakota 88.0 26.5 91.0 43.9 89.7 49.6 79.9 Ohio 71.8 7.4 74.0 10.0 72.4 7.8 68.5 Oklahoma 84.5 6.6 87.6 7.1 82.1 7.6 73.0 Oregon 98.3 18.0 98.6 16.0 98.3 14.4 97.0 Pennsylvania 70.4 18.5 61.0 22.3 63.3 16.6 59.7 Rhode Island 91.8 16.9 89.1 12.4 87.3 17.4 66.5 South Carolina 99.0 85.8 100.0 89.3 97.4 85.8 96.4 South Dakota 82.7 24.6 82.8 23.5 80.6 24.2 72.9 Tennessee | | | | | | | | | 2.6 | |
| North Carolina 96.5 59.4 99.0 91.6 92.0 49.7 85.7 North Dakota 88.0 26.5 91.0 43.9 89.7 49.6 79.9 Ohio 71.8 7.4 74.0 10.0 72.4 7.8 68.5 Oklahoma 84.5 6.6 87.6 7.1 82.1 7.6 73.0 Oregon 98.3 18.0 98.6 16.0 98.3 14.4 97.0 Pennsylvania 70.4 18.5 61.0 22.3 63.3 16.6 59.7 Rhode Island 91.8 16.9 89.1 12.4 87.3 17.4 66.5 South Carolina 99.0 85.8 100.0 89.3 97.4 85.8 96.4 South Dakota 82.7 24.6 82.8 23.5 80.6 24.2 72.9 Tennessee 94.3 47.0 95.3 42.8 92.8 40.6 87.3 Texas | | | | | | | | NA | 11.3 | |
| North Dakota 88.0 26.5 91.0 43.9 89.7 49.6 79.9 North Dakota 88.0 26.5 91.0 43.9 89.7 49.6 79.9 | | | | 00.0 | | 02.0 | | 95.7 | 26.7 | |
| Oklahoma 84.5 6.6 87.6 7.1 82.1 7.6 73.0 Oregon 98.3 18.0 98.6 16.0 98.3 14.4 97.0 Pennsylvania 70.4 18.5 61.0 22.3 63.3 16.6 59.7 Rhode Island 91.8 16.9 89.1 12.4 87.3 17.4 66.5 South Carolina 99.0 85.8 100.0 89.3 97.4 85.8 96.4 South Dakota 82.7 24.6 82.8 23.5 80.6 24.2 72.9 Tennessee 94.3 47.0 95.3 42.8 92.8 40.6 87.3 Texas 83.5 20.2 87.1 17.5 84.2 16.5 MA Jtah 81.9 9.0 84.4 9.7 81.2 9.3 79.5 Vermont 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 Virginia 85.9 24.4 87.4 27.2 84.6 22.2 82.7 | | | | | | | | | 36.2 | |
| Oklahoma 84.5 6.6 87.6 7.1 82.1 7.6 73.0 Oregon 98.3 18.0 98.6 16.0 98.3 14.4 97.0 Pennsylvania 70.4 18.5 61.0 22.3 63.3 16.6 59.7 Rhode Island 91.8 16.9 89.1 12.4 87.3 17.4 66.5 South Carolina 99.0 85.8 100.0 89.3 97.4 85.8 96.4 South Dakota 82.7 24.6 82.8 23.5 80.6 24.2 72.9 Tennessee 94.3 47.0 95.3 42.8 92.8 40.6 87.3 Texas 83.5 20.2 87.1 17.5 84.2 16.5 MA Jtah 81.9 9.0 84.4 9.7 81.2 9.3 79.5 Vermont 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 Virginia 85.9 24.4 87.4 27.2 84.6 22.2 82.7 | | | | | | | | | | |
| Oregon 98.3 18.0 98.6 16.0 98.3 14.4 97.0 Pennsylvania 70.4 18.5 61.0 22.3 63.3 16.6 59.7 Rhode Island 91.8 16.9 89.1 12.4 87.3 17.4 66.5 South Carolina 99.0 85.8 100.0 89.3 97.4 85.8 96.4 South Dakota 82.7 24.6 82.8 23.5 80.6 24.2 72.9 Fennessee 94.3 47.0 95.3 42.8 92.8 40.6 87.3 Fexas 83.5 20.2 87.1 17.5 84.2 16.5 NA Jtah 81.9 9.0 84.4 9.7 81.2 9.3 79.5 Vermont 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1 Washington 85.9 24.4 87.4 27.2 84.6 22.2 82.7 | | | | | | | | | 3.7 | |
| Pennsylvania 70.4 18.5 61.0 22.3 63.3 16.6 59.7 Rhode Island 91.8 16.9 89.1 12.4 87.3 17.4 66.5 South Carolina 99.0 85.8 100.0 89.3 97.4 85.8 96.4 South Dakota 82.7 24.6 82.8 23.5 80.6 24.2 72.9 Fennessee 94.3 47.0 95.3 42.8 92.8 40.6 87.3 Fexas 83.5 20.2 87.1 17.5 84.2 16.5 NA Jtah 81.9 9.0 84.4 9.7 81.2 9.3 79.5 South Machine 100.0 | _ | | | | | | | | 4.7 | |
| Rhode Island 91.8 16.9 89.1 12.4 87.3 17.4 66.5 South Carolina 99.0 85.8 100.0 89.3 97.4 85.8 96.4 South Dakota 82.7 24.6 82.8 23.5 80.6 24.2 72.9 Tennessee 94.3 47.0 95.3 42.8 92.8 40.6 87.3 Texas 83.5 20.2 87.1 17.5 84.2 16.5 NA Jtah 81.9 9.0 84.4 9.7 81.2 9.3 79.5 Vermont 100.0 100.0 100.0 100.0 100.0 100.0 1 Virginia 85.3 18.0 88.1 22.1 84.8 21.4 74.3 Washington 85.9 24.4 87.4 27.2 84.6 22.2 82.7 West Virginia 56.3 14.3 71.3 14.4 54.5 14.8 43.4 Wisconsin | | | | | | | | | 14.1 | |
| South Carolina 99.0 85.8 100.0 89.3 97.4 85.8 96.4 South Dakota 82.7 24.6 82.8 23.5 80.6 24.2 72.9 Tennessee 94.3 47.0 95.3 42.8 92.8 40.6 87.3 Texas 83.5 20.2 87.1 17.5 84.2 16.5 NA Jtah 81.9 9.0 84.4 9.7 81.2 9.3 79.5 Vermont 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1 Virginia 85.3 18.0 88.1 22.1 84.8 21.4 74.3 Washington 85.9 24.4 87.4 27.2 84.6 22.2 82.7 West Virginia 56.3 14.3 71.3 14.4 54.5 14.8 43.4 Wisconsin 91.6 36.4 91.8 34.5 90.9 34.6 87.1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>13.5</td> | | | | | | | | | 13.5 | |
| South Dakota 82.7 24.6 82.8 23.5 80.6 24.2 72.9 Tennessee 94.3 47.0 95.3 42.8 92.8 40.6 87.3 Texas 83.5 20.2 87.1 17.5 84.2 16.5 NA Utah 81.9 9.0 84.4 9.7 81.2 9.3 79.5 Vermont 100.0 | Rhode Island | 91.8 | 16.9 | 89.1 | 12.4 | 87.3 | 17.4 | 66.5 | 18.3 | |
| South Dakota 82.7 24.6 82.8 23.5 80.6 24.2 72.9 Fennessee 94.3 47.0 95.3 42.8 92.8 40.6 87.3 Fexas 83.5 20.2 87.1 17.5 84.2 16.5 NA Jtah 81.9 9.0 84.4 9.7 81.2 9.3 79.5 Vermont 100.0 | South Carolina | 99.0 | 85.8 | 100.0 | 89.3 | 97.4 | 85.8 | 96.4 | 83.4 | |
| Tennessee 94.3 47.0 95.3 42.8 92.8 40.6 87.3 Texas 83.5 20.2 87.1 17.5 84.2 16.5 NA Utah 81.9 9.0 84.4 9.7 81.2 9.3 79.5 Vermont 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1 Virginia 85.3 18.0 88.1 22.1 84.8 21.4 74.3 Washington 85.9 24.4 87.4 27.2 84.6 22.2 82.7 West Virginia 56.3 14.3 71.3 14.4 54.5 14.8 43.4 Wisconsin 91.6 36.4 91.8 34.5 90.9 34.6 87.1 | South Dakota | | | | | | | | 10.4 | |
| Texas 83.5 20.2 87.1 17.5 84.2 16.5 NA Jtah 81.9 9.0 84.4 9.7 81.2 9.3 79.5 Vermont 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1 Virginia 85.3 18.0 88.1 22.1 84.8 21.4 74.3 Washington 85.9 24.4 87.4 27.2 84.6 22.2 82.7 West Virginia 56.3 14.3 71.3 14.4 54.5 14.8 43.4 Wisconsin 91.6 36.4 91.8 34.5 90.9 34.6 87.1 | | | | | | | | 87.3 | 45.0 | |
| Jtah 81.9 9.0 84.4 9.7 81.2 9.3 79.5 Vermont 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1 Virginia 85.3 18.0 88.1 22.1 84.8 21.4 74.3 Washington 85.9 24.4 87.4 27.2 84.6 22.2 82.7 West Virginia 56.3 14.3 71.3 14.4 54.5 14.8 43.4 Wisconsin 91.6 36.4 91.8 34.5 90.9 34.6 87.1 | | | | | | | | NA | 20.2 | |
| Virginia 85.3 18.0 88.1 22.1 84.8 21.4 74.3 Washington 85.9 24.4 87.4 27.2 84.6 22.2 82.7 West Virginia 56.3 14.3 71.3 14.4 54.5 14.8 43.4 Wisconsin 91.6 36.4 91.8 34.5 90.9 34.6 87.1 | | | | | | | | 79.5 | 9.4 | |
| Virginia 85.3 18.0 88.1 22.1 84.8 21.4 74.3 Washington 85.9 24.4 87.4 27.2 84.6 22.2 82.7 West Virginia 56.3 14.3 71.3 14.4 54.5 14.8 43.4 Wisconsin 91.6 36.4 91.8 34.5 90.9 34.6 87.1 | Vermont | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| Washington 85.9 24.4 87.4 27.2 84.6 22.2 82.7 West Virginia 56.3 14.3 71.3 14.4 54.5 14.8 43.4 Wisconsin 91.6 36.4 91.8 34.5 90.9 34.6 87.1 | | | | | | | | | 11.1 | |
| West Virginia 56.3 14.3 71.3 14.4 54.5 14.8 43.4 Wisconsin 91.6 36.4 91.8 34.5 90.9 34.6 87.1 | | | | | | | | | 19.8 | |
| Wisconsin | | | | | | | | | | |
| | • | | | | | | | | 13.3 | |
| , | | | | | | | | | 29.9 0.9 | |
| Total | , , | | | | | | | | 18.1 | |

Table 24. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1995-1997 — Continued

| | 1996 | | | | | | | | |
|----------------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--|
| State | September | | Aug | August | | ly | June | | |
| | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial | |
| | | | | | | | | | |
| Alabama | 73.1 | 20.8 | 72.5 | 19.6 | 73.7 | 20.6 | 75.4 | 20.9 | |
| Alaska | 50.7 | 67.0 | 53.1 | 60.9 | 51.2 | 55.0 | 55.0 | 59.6 | |
| Arizona | 83.5 | 16.7 | 78.5 | 18.0 | 82.1 | 17.2 | 83.6 | 18.5 | |
| Arkansas | 92.7 | 11.3 | 91.6 | 10.9 | 88.5 | 11.0 | 94.2 | 11.7 | |
| California | 45.3 | 9.9 | 44.7 | 9.0 | 48.4 | 10.4 | 53.5 | 10.4 | |
| Colorado | 90.6 | 9.2 | 87.1 | 8.3 | 88.0 | 9.0 | 92.5 | 6.9 | |
| Connecticut | 68.9 | 71.2 | 77.6 | 78.0 | 81.1 | 80.3 | 78.9 | 89.3 | |
| Delaware | 100.0 | 27.6 | 100.0 | 26.2 | 100.0 | 26.2 | 100.0 | 38.3 | |
| District of Columbia | 46.9 | _ | 52.1 | _ | 56.4 | _ | 70.5 | | |
| Florida | 97.6 | 10.1 | 97.2 | 11.0 | 97.5 | 11.5 | 97.6 | 12.6 | |
| Georgia | 86.6 | 35.0 | 88.1 | 28.5 | 88.7 | 18.9 | 89.0 | 23.9 | |
| Hawaii | 100.0 | _ | 100.0 | | 100.0 | - | 100.0 | | |
| Idaho | 80.0 | 1.3 | 81.9 | 1.8 | 82.4 | 1.1 | 86.0 | 1.8 | |
| Illinois | 43.2 | 6.4 | 43.0 | 5.8 | 39.6 | 5.7 | 44.1 | 5.1 | |
| Indiana | 86.8 | 9.2 | 86.8 | 9.4 | 91.6 | 10.2 | 88.9 | 5.0 | |
| | 77.0 | 5 0 | 00.0 | 0.0 | 77.0 | 4.0 | 22.2 | - 4 | |
| lowa | 77.0 | 5.6 | 92.2 | 8.3 | 77.2 | 4.9 | 86.6 | 5.4 | |
| Kansas | 72.8 | 9.4 | 38.0 | 7.3 | 47.5 | 8.4 | 57.7 | 4.7 | |
| Kentucky | 84.3 | 18.6 | 85.4 | 18.1 | 85.9 | 25.6 | 91.1 | 16.8 | |
| Louisiana | 98.9 | 10.2 | 97.5 | 12.1 | 99.2 | 11.1 | 98.6 | 10.8 | |
| Maine | 100.0 | 89.1 | 100.0 | 88.0 | 100.0 | 88.7 | 100.0 | 89.8 | |
| Maryland | 87.0 | 1.6 | 85.0 | 3.7 | 81.4 | 6.3 | 86.8 | 8.4 | |
| Massachusetts | 55.4 | 34.6 | 61.3 | 39.6 | 68.1 | 41.7 | 71.3 | 44.1 | |
| Michigan | 44.6 | 5.5 | 41.3 | 6.0 | 44.2 | 5.8 | 46.1 | 7.2 | |
| Minnesota | 90.3 | 35.8 | 95.8 | 38.6 | 94.4 | 38.6 | 95.4 | 38.3 | |
| Mississippi | 97.2 | 40.0 | 97.9 | 41.5 | 97.4 | 38.3 | 96.9 | 40.4 | |
| Missouri | 67.3 | 18.2 | 58.1 | 13.2 | 62.0 | 19.4 | 72.3 | 23.7 | |
| Montana | 86.1 | 2.1 | 87.2 | 1.4 | 87.8 | 1.7 | 90.8 | 1.8 | |
| Nebraska | 66.2 | 17.0 | 54.1 | 17.2 | 51.8 | 17.8 | 66.0 | 14.9 | |
| | | | | 5.6 | 69.2 | 5.8 | | 6.6 | |
| New Hampshire | 67.6 96.0 | 5.3 53.7 | 66.7 94.8 | 5.6 51.4 | 93.7 | 5.8 52.7 | 73.0 95.6 | 56.1 | |
| | | | | | | | | | |
| New Jersey | 61.8 | 53.2 | 60.0 | 57.8 | 62.0 | 57.4 | 66.3 | 48.9 | |
| New Mexico | 61.3 NA | 2.0 | 62.2 | 3.8 | 65.7 | 1.9 | 65.0 | 3.8 | |
| New York | | 12.5 | NA | 12.9 | NA | 11.9 | NA | 13.3 | |
| North Carolina | 86.1 | 24.7 | 88.5 | 34.7 | 96.0 | 64.5 | 90.7 | 48.1 | |
| North Dakota | 69.1 | 21.1 | 74.5 | 8.7 | 77.2 | 9.1 | 77.2 | 8.2 | |
| Ohio | 65.1 | 4.3 | 53.9 | 3.6 | 56.4 | 2.9 | 42.1 | 3.8 | |
| Oklahoma | 72.7 | 4.8 | 69.0 | 5.4 | 72.2 | 4.8 | 75.5 | 4.9 | |
| Oregon | 97.6 | 14.2 | 98.0 | 13.6 | 98.1 | 13.6 | 98.3 | 16.3 | |
| Pennsylvania | 66.3 | 13.8 | 66.2 | 14.8 | 64.9 | 15.6 | 62.7 | 13.9 | |
| Rhode Island | 49.9 | 13.2 | 86.8 | 14.5 | 84.1 | 10.9 | 92.0 | 18.1 | |
| South Carolina | 97.3 | 84.5 | 97.3 | 84.7 | 100.0 | 90.0 | 96.9 | 81.8 | |
| South Dakota | 69.4 | 7.9 | 66.9 | 8.8 | 67.1 | 9.9 | 74.5 | 7.7 | |
| Tennessee | 80.8 | 36.2 | 88.4 | 40.4 | 94.5 | 50.0 | 90.9 | 49.1 | |
| Texas | 77.9 | 19.4 | 81.1 | 21.8 | 82.0 | 23.1 | 80.0 | 20.7 | |
| Utah | 78.4 | 8.3 | 71.9 | 7.5 | 73.3 | 7.2 | 72.9 | 9.2 | |
| Varmont | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| Vermont | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| Virginia | 65.5 | 11.9 | 74.0 | 10.2 | 68.8 | 11.2 | 66.9 | 14.7 | |
| Washington | 81.5 | 20.4 | 80.1 | 12.0 | 80.0 | 21.7 | 82.0 | 22.4 | |
| West Virginia | 34.7 | 12.0 | 44.4 | 13.1 | 43.9 | 13.0 | 27.1 | 12.6 | |
| WisconsinWyoming | 82.4 98.7 | 26.6 4.0 | 83.8 98.3 | 26.0 4.0 | 82.1 99.6 | 26.3 3.2 | 86.1 96.2 | 26.7 3.7 | |
| - | 55.7 | 4.0 | 55.5 | 4.0 | 53.0 | ٥.٢ | 50.2 | 5.1 | |
| Total | 66.9 | 17.6 | 65.9 | 18.1 | 67.3 | 19.1 | 69.3 | 17.6 | |

Table 24. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1995-1997 — Continued

| | 1996 | | | | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--|
| State | Ma | ıy | Арг | ril | Mar | ch | February | | |
| | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial | |
| | | | | | | | | | |
| Alabama | 80.2 | 23.1 | 83.8 | 24.0 | 84.1 | 24.0 | 88.1 | 28.5 | |
| Alaska | | 69.5 | 62.5 | 64.3 | 76.0 | 65.6 | 78.9 | 70.5 | |
| Arizona | | 26.0 | 83.7 | 19.8 | 86.9 | 21.3 | 90.2 | 23.9 | |
| Arkansas | 92.4 | 13.0 | 96.3 | 14.1 | 95.6 | 13.9 | 97.0 | 15.9 | |
| California | 52.6 | 11.6 | 64.1 | 12.6 | 63.7 | 12.7 | 59.6 | 15.6 | |
| Colorado | 92.4 | 6.2 | 93.1 | 6.0 | 93.8 | 5.5 | 95.5 | 5.9 | |
| Connecticut | 78.5 | 91.9 | 89.8 | 93.9 | 93.1 | 96.2 | 93.1 | 97.9 | |
| Delaware | | 31.7 | 100.0 | 28.5 | 100.0 | 57.0 | 100.0 | 57.7 | |
| District of Columbia | | _ | 85.4 | | 83.0 | _ | 83.3 | _ | |
| Florida | 97.8 | 14.8 | 97.6 | 15.8 | 96.7 | 15.7 | 96.9 | 16.0 | |
| Georgia | 92.2 | 31.7 | 94.9 | 35.5 | 96.9 | 39.5 | 98.1 | 42.7 | |
| Hawaii | 100.0 | _ | 100.0 | _ | 100.0 | _ | 100.0 | _ | |
| Idaho | | 1.4 | 87.2 | 1.4 | 88.2 | 1.5 | 90.1 | 1.3 | |
| Illinois | 49.7 | 9.3 | 51.7 | 14.8 | 57.8 | 19.6 | 58.3 | 19.4 | |
| Indiana | 93.7 | 30.3 | 97.4 | 20.0 | 97.9 | 24.5 | 98.6 | 26.0 | |
| lowa | 85.9 | 5.6 | 85.8 | 7.4 | 88.3 | 8.2 | 92.0 | 8.1 | |
| Kansas | | 9.2 | 68.5 | 7.5 | 77.1 | 8.9 | 85.9 | 7.1 | |
| Kentucky | 84.0 | 23.2 | 90.3 | 33.2 | 92.1 | 38.3 | 92.0 | 38.8 | |
| Louisiana | | 9.9 | 99.0 | 10.9 | 97.7 | 9.6 | 98.4 | 10.5 | |
| Maine | | 90.1 | 100.0 | 86.5 | 100.0 | 87.1 | 100.0 | 100.0 | |
| Mandand | 86.2 | 11 1 | 92.4 | 10.2 | 93.7 | 22.6 | 96.5 | 19.8 | |
| Maryland | | 11.1 | | 18.2 | | | | | |
| Massachusetts | 79.2 64.4 | 40.7 10.2 | 80.2 68.5 | 48.2 15.1 | 82.4 73.1 | 42.1 15.7 | 83.5 72.1 | 45.7 18.2 | |
| Michigan | | 38.5 | | | 97.2 | 43.2 | 97.8 | 42.8 | |
| Minnesota Mississippi | | 40.7 | 97.6 97.3 | 50.2 41.8 | 97.2 97.0 | 43.2 | 98.1 | 43.8 | |
| | | | | | | | | | |
| Missouri | 78.7 | 24.7 | 84.6 | 26.2 | 85.6 | 24.5 | 89.9 | 33.6 | |
| Montana | | 2.7 | 92.6 | 3.8 | 91.9 | 4.8 | 93.7 | 5.5 | |
| Nebraska | | 19.0 | 77.3 | 20.6 | 77.7 | 22.5 | 79.1 | 24.7 | |
| Nevada | 74.2 | 6.5 | 76.4 | 8.3 | 78.2 | 8.5 | 80.5 | 9.7 | |
| New Hampshire | 98.1 | 61.9 | 98.0 | 58.5 | 98.3 | 55.2 | 98.3 | 56.0 | |
| New Jersey | 68.8 | 59.0 | 73.5 | 58.4 | 78.9 | 64.4 | 80.5 | 58.3 | |
| New Mexico | | 3.5 | 58.5 | 2.1 | 60.4 | 0.6 | 62.6 | 0.5 | |
| New York | NA | 14.1 | NA | 15.5 | NA | 21.2 | NA | 19.1 | |
| North Carolina | 91.4 | 40.2 | 99.7 | 79.4 | 99.9 | 92.1 | 99.8 | 74.2 | |
| North Dakota | 85.1 | 17.8 | 88.7 | 22.4 | 90.5 | 18.1 | 92.1 | 22.2 | |
| Ohio | 63.1 | 5.8 | 72.3 | 8.0 | 76.1 | 9.7 | 76.1 | 12.9 | |
| Oklahoma | 78.5 | 3.1 | 88.2 | 8.3 | 87.0 | 8.6 | 89.4 | 10.8 | |
| Oregon | 98.2 | 18.1 | 98.1 | 23.7 | 98.6 | 25.4 | 98.8 | 26.6 | |
| Pennsylvania | 67.9 | 15.7 | 71.6 | 18.2 | 76.7 | 26.0 | 77.5 | 23.5 | |
| Rhode Island | 97.8 | 21.5 | 98.2 | 19.7 | 98.4 | 61.9 | 99.3 | 46.9 | |
| South Carolina | 97.5 | 82.9 | 100.0 | 89.3 | 100.0 | 87.0 | 100.0 | 85.1 | |
| South Dakota | | 12.2 | 85.0 | 17.1 | 84.7 | 60.7 | 87.9 | 31.6 | |
| Tennessee | | 44.4 | 96.9 | 57.0 | 93.9 | 56.6 | 97.7 | 51.3 | |
| Texas | | 20.0 | 84.5 | 18.6 | 82.2 | 20.4 | 89.5 | 22.5 | |
| Utah | | 8.8 | 82.3 | 9.9 | 82.8 | 9.2 | 85.6 | 9.7 | |
| Vermont | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| Virginia | | 22.2 | 84.3 | 21.7 | 90.9 | 19.5 | 95.1 | 21.6 | |
| Washington | | 23.8 | 84.4 | 26.6 | 90.9 87.6 | 32.0 | 95.1 89.8 | 31.9 | |
| West Virginia | | 23.6 12.9 | 53.9 | 13.2 | 63.0 | 32.0 15.1 | 64.6 | 31.9 17.1 | |
| Wisconsin | | 35.7 | 92.0 | 38.4 | 94.0 | 50.3 | 94.8 | 45.8 | |
| Wyoming | | 3.8 | 82.0 82.0 | 3.1 | 98.0 | 3.2 | 98.0 | 2.7 | |
| | | | | 04.4 | | | | 00.0 | |
| Total | 73.9 | 19.6 | 79.3 | 21.4 | 81.7 | 23.3 | 83.8 | 23.6 | |

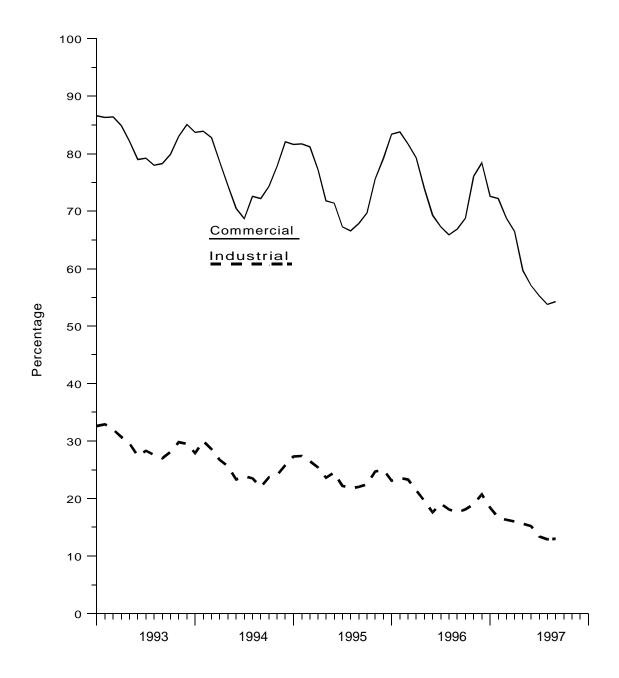
R = Revised Data.
NA = Not Available.

Notes: Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and industrial sectors. This information may be helpful in evaluating commercial and industrial price data which are based on sales data only. See Appendix C, Statistical Considerations, for a discussion of the computation of natural gas prices.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

⁼ Not Applicable.

Figure 6. Percentage of Total Deliveries Represented by Onsystem Sales, 1993-1997



Sources: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 25. Gas Home Customer-Weighted Heating Degree Days

| | November 1 through November 30 | | | | | | | |
|------------------------------------|--------------------------------|-------|-----------|-------------------|-----------------|--|--|--|
| Census | | | | Percent Change | | | | |
| Divisions | Normala | 1996 | 1997 | Normal to 1997 | 1996 to 1997 | | | |
| New England | | | | | | | | |
| CT, ME, MA, NH, RI, VT | 693 | 820 | 784 | 13.1 | -4.4 | | | |
| Middle Atlantic | | | | | | | | |
| NJ, NY, PA | 646 | 775 | 729 | 12.8 | -5.9 | | | |
| East North Central | 700 | 047 | 000 | 40.0 | 0.0 | | | |
| IL, IN, MI, OH, WI | 730 | 917 | 829 | 13.6 | -9.6 | | | |
| West North Central IA, KS, MN, MO, | | | | | | | | |
| ND, NE, SD | 788 | 982 | 892 | 13.2 | -9.2 | | | |
| South Atlantic | 700 | 302 | 002 | 10.2 | 0.2 | | | |
| DE, FL, GA, MD and DC, | | | | | | | | |
| NC, SC, VA, WV | 421 | 538 | 519 | 23.3 | -3.5 | | | |
| East South Central | | | | | | | | |
| AL, KY, MS, TN | 431 | 524 | 546 | 26.7 | 4.2 | | | |
| West South Central | | | | | | | | |
| AR, LA, OK, TX | 280 | 291 | 359 | 28.2 | 23.4 | | | |
| Mountain | | | | | | | | |
| AZ, CO, ID, MT, | 715 | 711 | 727 | 2.4 | 2.7 | | | |
| NV, NM, UT, WY | 715 | / 1 1 | 737 | 3.1 | 3.7 | | | |
| CA, OR, WA | 341 | 320 | 276 | -19.1 | -13.8 | | | |
| U.S. Average ^b | 559 | 657 | 621 | 11.1 | -5.5 | | | |
| | | | - | | | | | |

^a Normal is based on calculations of data from 1961 through 1990.

Note: See Appendix A, Explanatory Note 10 for discussion of Heating Degree-Days computations.

Sources: National Oceanic and Atmospheric Administration.

^b Excludes Alaska and Hawaii.

Appendix A

Explanatory Notes

The Energy Information Administration (EIA) publishes monthly data for the supply and disposition of natural gas in the United States in the *Natural Gas Monthly* (NGM). The information in this Appendix is provided to assist users in evaluating the monthly data. There is a brief description of what data are estimated and what data are taken from submitted reports, followed by ten technical notes that provide important information for individual data series.

The monthly data are preliminary when initially published. Data shown in this report for the most current months are taken from the EIA Short-Term Integrated Forecasting System (STIFS) model computations. Each month, EIA staff review the STIFS model estimates and adjust them, if necessary, based on their knowledge of new developments in the natural gas industry. Data for prior months are estimated or taken from submitted reports.

Table A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data

| Components | Reporting Methodology |
|----------------------------|--|
| Supply and Disposition | |
| Marketed Production | Reported on Form EIA-895 and Estimated from Historical Data |
| Extraction Loss | Derived from Marketed Production |
| Dry Production | Marketed Production minus Extraction Loss |
| Withdrawals from Storage | Reported on Form EIA-191 |
| Supplemental Gaseous Fuels | Derived from Supply Estimates and Coal Gasification Information |
| Imports | Estimated from National Energy Board of Canada Information and Liquefied Natural Gas Information |
| Additions to Storage | Reported on Form EIA-191 |
| Exports | Estimated from Industry Trends and Liquefied Natural Gas Information |
| Current-Month Consumption | Estimated from Historical Month-to-Month Percent Changes |
| Consumption by Sector | |
| Lease and Plant Fuel | Derived from Marketed Production |
| Pipeline Fuel | Derived from Estimates for Lease and Plant Fuel and Deliveries to Consumers |
| Residential | Estimated from Reports to the Sample Survey Form EIA-857 |
| Commercial | Estimated from Reports to the Sample Survey Form EIA-857 |
| Industrial | Estimated from Reports to the Sample Survey Form EIA-857 |
| Electric Utilities | Reported on Form EIA-759 |

For data that are not taken from STIFS computations, Table A1 below lists the methodologies for deriving the monthly data to be published.

The STIFS model contains a series of calculations that produce forecasts for all of the energy industry. It is driven primarily by three sets of inputs or assumptions: estimates of key macroeconomic variables, world oil price assumptions, and assumptions about the severity of weather. The natural gas estimates also reflect other key inputs or assumptions including gas wellhead prices, electric power generation by other energy sources, and U.S. gas import capacity. The macroeconomic variable estimates are produced by DRI/McGraw-Hill but are adjusted by EIA to reflect EIA assumptions about the world price of oil, energy product prices, and other assumptions which may affect the macroeconomic outlook. The EIA publishes forecasts for the energy industry each quarter in the Short-Term Energy Outlook.

For production, total supply and disposition, and storage data (Tables l, 2, and 9), the most current two months shown are estimates produced from STIFS computations, and data that are two months or more prior to the date of publication are estimated or taken from submitted reports. For example, in the March issue of the NGM, February and March data are taken from the STIFS model computations while January and prior months data are estimated from available data sources or reported directly on EIA forms. For consumption data by sector (Table 3), the most current three months shown are estimates produced from STIFS computations while data that are three months prior to date of publication are taken from EIA forms.

Note 1. Nonhydrocarbon Gases Removed

Annual Data

Data on nonhydrocarbon gases removed from marketed production—carbon dioxide, helium, hydrogen sulfide, and nitrogen—are reported by State agencies on the voluntary Form EIA-895. For 1995, of the 33 producing States, 22 reported data on nonhydrocarbon gases removed. The 22 States accounted for 60 percent of total 1995 gross withdrawals. Of the 22 States reporting nonhydrocarbon gases removed, 11 reported zero values: Alaska, Arizona, Arkansas, Colorado, Illinois, Maryland, Missouri, Nevada, New York, South Dakota, and Virginia. The ten States reporting

volumes greater than zero are Alabama, California, Florida, Kentucky, Mississippi, Nebraska, New Mex ico, North Dakota, Texas, and Wyoming. In addition, Kansas, Louisiana, Montana, and Oklahoma, which together accounted for 40 percent of gross withdrawals, did not report nonhydrocarbon gases removed separately. However, their gross withdrawal data excluded all or most of the nonhydrocarbon gases removed on leases. No estimates are made for States not reporting nonhydrocarbon gases removed.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Seven States report monthly data on nonhydrocarbon gases removed: Alabama, Arizona, Mississippi, New Mexico, North Dakota, Oregon and Texas. Monthly data for California, Colorado, Florida, and Wyoming are estimated based on annual data reported on Form EIA-895. Nonhydrocarbon gases as an annual percentage of gross withdrawals reported by each of the six States is applied to each State's monthly gross withdrawal data to produce an estimate of nonhydrocarbon gases removed.

Final Monthly Data

Beginning with report year 1990, States filing the Form EIA-627, "Annual Quantity and Value of Natural Gas Report," were asked to supply monthly breakdowns of all data previously reported on an annual basis. The sums of the reported figures were used to calculate monthly volumes. In 1997 the Form EIA-627 was discontinued. States were requested to file an annual schedule on the monthly Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

For States not supplying monthly data on the annual schedule of the EIA-895, final monthly data are calculated by proportionally allocating the differences between total annual data reported on the Form EIA-895 and the sum of monthly data (January-December).

Note 2. Supplemental Gaseous Fuels

Annual Data

Annual data are published from Form EIA-176.

Preliminary Monthly Data

All monthly data are considered preliminary until after the publication of the *Natural Gas Annual* for the year in which the report month falls. Monthly estimates are based on the annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the monthly sum of these three elements to compute a monthly supplemental gaseous fuels figure.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly data are estimated based on the revised annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the revised monthly sum of these three elements to compute final monthly data.

Note 3. Production

Annual Data

Natural gas production data are collected from 33 gasproducing States on Form EIA-895 which includes gross withdrawals, vented and flared, repressuring, nonhydrocarbon gases removed, fuel used on leases, marketed production (wet), and extraction loss. The U.S. Minerals Management Service (MMS) also supplies data on the quantity and value of natural gas production on the Gulf of Mexico and Outer Continental Shelf. No adjustments are made to the data.

Estimated Monthly Data

State marketed production data for a particular month are estimated if data are unavailable at the time of publication. The data are estimated based on final monthly data reported on the Form EIA-895 for the previous year.

Estimates for total U.S. marketed production are based on final monthly data reported on the Form EIA-895 for the previous year. State estimates for nonhydrocarbon gas removed, gas used for repressuring, and gas vented and flared are based on the ratio of the item to gross withdrawals as reported on the EIA-895. These ratios are applied to the month's estimates for gross withdrawals to calculate figures for non-hydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Estimates for gross withdrawal data are calculated from final monthly data filed on Form EIA-895 for the previous year.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Preliminary monthly data are published from reports from the Form EIA-895 and the MMS. Volumetric data are converted, as necessary, to a standard 14.73 psia pressure base. Data are revised as Table 7 monthly data are updated.

Final Monthly Data

Final monthly data for 1993, 1994, and 1995 are the sums of monthly data reported on the annual Form EIA-627, "Annual Quantity and Value of Natural Gas Report." For prior years, the differences between each State's annual production data reported on the EIA-627 and the sum of its monthly IOGCC reports for the year were allocated proportionally to the monthly IOGCC data.

Note 4. Imports and Exports

Annual Data and Final Monthly Data

Annual and final monthly data are published from the Office of Fossil Enery, U.S. Department of Energy, *Natural Gas Imports and Exports*, which requires data to be reported each quarter by month for the calendar year.

Preliminary Monthly Data - Imports

Preliminary monthly import data are based on data from the National Energy Board of Canada and responses to informal industry contacts and EIA estimates. Preliminary data are revised after the publication of the article "U.S. Imports and Exports of Natural Gas" for the calendar year.

Preliminary Monthly Data - Exports

Preliminary monthly export data are based on historical data from the Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*, informal industry contacts, and information gathered from natural gas industry trade publications. Preliminary monthly data are revised after publication of "U.S. Imports and Exports of Natural Gas" for the calendar year in which the report month falls.

Note 5. Consumption

All Annual Data

All consumption data except electric utility data are from the Form EIA-857 and Form EIA-176. No adjustments are made to the data. Electric utility data are reported on Form EIA-759.

Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual*.

Total Consumption

Preliminary Monthly Data

The most current month estimate is calculated based on the arithmetic average change from the previous month for the previous 3 years. The following month this estimate is revised by summing the components (pipeline fuel, lease and plant fuel, and deliveries to consumers).

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly total consumption is obtained by summing its components.

Residential, Commercial, and Industrial Sector Consumption

Preliminary Monthly Data

Preliminary monthly residential, commercial, and industrial data are from Form EIA-857. See Appendix C, "Statistical Considerations," for a detailed explanation off sample selection and estimation procedures.

Average Price of Deliveries to Consumers

Price data are representative of prices for gas sold and delivered to residential, commercial, and industrial consumers. These prices do not reflect average prices of natural gas transported to consumers for the account of third parties or "spot-market" prices.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual consumption data from the Form EIA-176 to each month in proportion to monthly volumes reported in Form EIA-857.

Agricultural Use

Beginning with the reporting of 1996 annual data, the EIA changed the customer category used for reporting deliveries to consumers in the agricultural industry from commercial to industrial. In 1995 and earlier years, consumption of natural gas for agricultural use was classified as commercial use. Separate reports of the volumes affected are not available so the direct impact of this change is not known. Most natural gas consumed in agriculture is used to drive irrigation systems and to dry crops.

For the reporting of monthly data, the customer category will not be changed until 1998. In 1996, the monthly data reported under the old classification were adjusted to the annual data reported under the new classification. Monthly 1997 data will be adjusted in the same way as the 1996 data.

In comparing sectoral use over time, note that:

- There is an inherent shift in natural gas volumes from the commercial to industrial sectors due simply to changes in the reporting requirements. This break in series may indicate a spurious increase in industrial consumption with a corresponding decrease in the commercial sector.
- The sum of natural gas volumes consumed by the commercial and industrial sectors will not be changed by this modification of the instructions.

Electric Utility Sector Consumption

All Monthly Data

Monthly data published are from Form EIA-759.

Pipeline Fuel Consumption

Preliminary Monthly Data

Preliminary data are estimated based on the pipeline fuel consumption as an annual percentage of total consumption from the previous year's Form EIA-176. This percentage is applied to each month's total consumption figure to compute the monthly estimate.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are based on the revised annual ratio of pipeline fuel consumption to total consumption from the Form EIA-176. This ratio is applied to each month's revised total consumption figure to compute final monthly pipeline fuel consumption estimates.

Lease and Plant Fuel Consumption

Preliminary Monthly Data

Preliminary monthly data are estimated based on lease and plant fuel consumption as an annual percentage of marketed production. This percentage is applied to each month's marketed production figure to compute estimated lease and plant fuel consumption.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly plant fuel data are based on a revised annual ratio of lease and plant fuel consumption to marketed production from Form EIA-176. This ratio is applied to each month's revised marketed production figure to compute final monthly plant fuel consumption estimates. Final monthly lease data are collected on the Form EIA-627 and estimates from the Form EIA-176. See the *Natural Gas Annual* for a complete discussion of this process.

Note 6. Extraction Loss

Annual Data

Extraction loss data are calculated from filings of Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." For a fuller discussion, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary data are estimated based on extraction loss as an annual percentage of marketed production. This percentage is applied to each month's marketed production to estimate monthly extraction loss.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual extraction loss data to each month based on its total natural gas marketed production.

Note 7. Natural Gas Storage

Underground Natural Gas Storage

All monthly data concerning underground storage are published from the EIA-191. A new EIA-191 became effective in January 1994. Injection and withdrawal data from the EIA-191 survey are adjusted to correspond to data from Form EIA-176 following publication of the *Natural Gas Annual*.

Underground and Liquefied Natural Gas Storage

The final monthly and annual storage and withdrawal data for 1991 through 1995 shown in Table 2 include both underground and liquefied natural gas (LNG) storage. Underground storage data are obtained from the EIA-191 and EIA-176 surveys in the manner described earlier. Annual data on LNG additions and withdrawals are taken from Form EIA-176. Monthly data are estimated by computing the ratio of each month's underground storage additions and withdrawals to annual underground storage additions and withdrawals and applying it to annual LNG data.

Note 8. Average Wellhead Value

Annual Data

Form EIA-895 requests State agencies to report the quantity and value of marketed production. When complete data are unavailable, the form instructs the State agency to report the available value and the quan-

tity of marketed production associated with this value. A number of States reported volumes of production and associated values for other than marketed production. In addition, information for several States which were unable to provide data was obtained from Form EIA-176. It should be noted that Form EIA-176 reports a fraction of State production. The imputed value of marketed production in each State is calculated by dividing the State's reported value by its associated production. This unit price is then applied to the quantity of the State's marketed production to derive the imputed value of marketed production.

Preliminary Monthly Data

A preliminary estimate of the U.S. gas price is made each month based on the change in the production-weighted gas price from five States: Kansas, Mississippi, New Mexico, Oklahoma, and Texas. Gas prices for these five States are used because both their gas production and value represent a substantial sample of the U.S. gas production and value (roughly 50 percent), and their prices are readily available and provide a consistent series. The latest preliminary U.S. gas price estimate is calculated by multiplying the preliminary U.S. gas price estimate for the prior month by the ratio of the five States' gas price for the latest month to that of the prior month. This estimate replaces the initial gas price estimate.

Final Monthly Data

Preliminary monthly gas price data for Kansas, Mississippi, New Mexico, Oklahoma, and Texas are replaced by final monthly data that are adjusted to match the annual prices published in the *Natural Gas Annual* for each State. A revised set of the monthly U.S. gas price estimates are derived based on the monthly change in the production-weighted prices for these five States and adjusted to match the U.S. gas price published in the Natural Gas Annual.

Note 9. Balancing Item

The "balancing item" category represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems.

Reporting problems include differences due to the net result of conversions of flow data metered at varying temperatures and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycles and calendar periods; and imbalances resulting from the merger of data reporting systems, which vary in scope, format, definitions, and type of respondents.

Annual Data

Annual data are from the *Natural Gas Annual*. For an explanation of the methodology involved in calculating annual "balancing item" data, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary monthly data in the "balancing item" category are calculated by subtracting dry gas production, withdrawals from storage, supplemental gaseous fuels, and imports from total supply/disposition.

Note 10. Heating Degree-Days

Degree-days are relative measurements of outdoor air temperature. Heating degree-days are deviations of the mean daily temperature below 65 degrees Fahrenheit. A weather station recording a mean daily temperature of 40 degrees Fahrenheit would report 25 heating degree-days. There are several degree-day data bases maintained by the National Oceanic and Atmpospheric Administration. The information published in the *Natural Gas Monthly* is developed by the National Weather Service Climate Analysis Center, Camp Springs, Maryland.

The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations aroud the country. The temperature information recorded at these weather stations is used to calculate Statewide degree-day averages weighted by gas home cutomers. The State figures are then aggregated into Census Divisions and into the national average.

Appendix B

Data Sources

The data in this publication are taken from survey reports authorized by the U.S. Department of Energy (DOE), Energy Information Administration (EIA) and by the Federal Energy Regulatory Commission (FERC). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The EIA conducts and processes some of the surveys authorized by the FERC. Data are collected from two annual surveys and four monthly surveys.

The annual reports are the Form EIA-176, a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across State lines, and the Form EIA-627, a voluntary survey completed by energy or conservation agencies in the gas-producing States.

The monthly reports include two surveys of the natural gas industry and two surveys of the electric utility industry. The natural gas industry survey is the Form EIA-191 filed by companies that operate underground storage facilities, and the Form EIA-857 filed by a sample of companies that deliver natural gas to consumers. The electric utility industry surveys are the Form EIA-759 filed by all generating electric utilities and the Form FERC-423 filed by fossil fueled plants. Responses to these four monthly surveys are mandatory.

A description of the survey respondents, reporting requirements, and processing and editing of the data is given on the following pages for each of the surveys.

Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"

Survey Design

The original version of Form EIA-176 was approved in 1980 with a mandatory response requirement. Prior to 1980, published data were based on voluntary responses to Bureau of Mines, U.S. Department of the Interior predecessor Forms BOM-6-1340-A and BOM-6-1341-A of the same title.

In 1982, the scope of the revised EIA-176 survey was expanded to collect the number of electric utility consumers in each State, volumes of gas transported to industrial and electric utility consumers, detailed information on volumes transported across State borders by the respondent for others and for the responding company, and detailed information on other disposition. These changes were incorporated to provide more complete survey information with a minimal change in respondent burden. The 1982 version of the Form EIA-176 continues to be the basis for the current version of this form.

In 1988, the Form EIA-176 was revised to include data collection for deliveries of natural gas to commercial and industrial consumers for the account of others. A short version of Form EIA-176 was also approved in 1988. Companies engaged in purchase and delivery activities but not in transportation and storage activities may file the short form. Usually, these companies are municipals handling small volumes of gas.

In 1990, the Form EIA-176 was revised to include more detailed information for gas withdrawn from storage facilities, gas added to storage facilities, deliveries of company-owned natural gas and natural gas transported for the account of others. The revised form was approved for use beginning with report year 1990.

Upon the Office of Management and Budget's approval in 1993, the Form EIA-176 was again revised. All deliveries to consumers are now categorized as firm or interruptible. Commercial and industrial consumers are further categorized as nonutility power producers or as those excluding nonutility power producers.

Data reported on this form are no longer considered proprietary. Response to the form continues to be mandatory.

Survey Universe and Response Statistics

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies, investor and municipally owned natural gas distributors, underground natural gas storage operators, synthetic natural gas plant operators, and field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities) and/or that transport gas to, across, or from a State border through field or gathering facilities.

Each company and its parent company or subsidiaries were required to file if they met the survey specifications. The original mailing in 1996 for report year 1995 totaled 1,991 questionnaire packages. To this original mailing, 11 names were added and 61 were deleted as a result of the survey processing. Additions were the result of comparisons of the mailing list to other survey mailing lists. Deletions resulted from post office returns and determinations that companies were out of business, sold, or not within the scope of the survey. After all updates, the survey universe was 1,941 responses from approximately 1,800 companies.

Following the original mailing, second request mailing, and nonrespondents followup, 1,911 responses were entered into the data base, and there were 30 nonrespondents.

Summary of Form EIA-176 Data Reporting Requirements

The EIA-176 is a multiline schedule for reporting all supplies of natural gas and supplemental gaseous fuels

and their disposition within the State indicated. Respondents file completed forms with EIA in Washington, DC. Data for the report year are due by April 1 of the following year. Extensions of the filing deadline for up to 45 days are granted to any respondent on request.

All natural gas and supplemental gaseous fuels volumes are reported on a physical custody basis in thousand cubic feet (Mcf), and dollar values are reported to the nearest whole dollar. All volumes are reported at 14.73 pounds per square inch absolute pressure (psia) and 60 degrees Fahrenheit.

Routine Form EIA-176 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-176. The edits performed include validity, arithmetic, and analytical checks.

The incoming forms are reviewed prior to keying. This prescan determines if the respondent identification (ID) number and the company name and address are correct, if the data on the form appear complete and reasonable, and if the certifying information is complete.

Manual checks on the data are also made. Each form is prescanned to determine that data were reported on the correct lines. The flow of gas through interstate pipelines is checked at the company level to ensure that each delivery from a State is matched with a corresponding receipt in an adjoining State.

After the data are keyed, computer edit procedures are performed. Edit programs verify the report year, State code, and arithmetic totals. Further tests are made to ensure that all necessary data elements are present and that the data are reasonable and internally consistent. The computerized edit system produces error listings with messages for each failed edit test. When problems occur, respondents are contacted by telephone and required to file amended forms with corrected data.

Other EIA Publications Referencing Form EIA-176

Data from Form EIA-176 are also published in the *Natural Gas Annual.*

Form EIA-895, "Monthly Quantity of Natural Gas Report"

Survey Design

In 1996, an annual schedule was added to the Form EIA-895 to replace the Form EIA-627. Data collection on the Form EIA-895 began in January 1995. This form was designed to replace the Interstate Oil and Gas Compact Commission (IOGCC) form, "Monthly Report of Natural Gas Production." In 1994, the IOGCC decided to discontinue collection of their form. All gas producing States are requested to report on the Form EIA-895; a voluntary report. Data are reported by State agencies. The form was designed to provide a standard reporting system, to the extent possible, for the natural gas data reported by the States. Data are not considered proprietary.

Beginning with 1980, natural gas production data previously obtained on an informal basis from State conservation agencies were collected on Form EIA-627. This form was designed by EIA to collect annual natural gas production data from the appropriate State agencies under a standard data reporting system within the limits imposed by the diversity of data collection systems of the various producing States. The form was redesigned in 1990 to collect monthly breakdowns of all annual data elements. Data are not considered proprietary. It was also designed to avoid duplication of effort in collecting production and value data by producing States and to avoid an unnecessary respondent burden on gas and oil well operators. In 1993, value and associated volume of marketed production by month was added to the EIA-627. In 1996, the Form EIA-627 was discontinued. The information is collected on an annual schedule on the Form EIA-895.

Survey Universe and Response Statistics

Form EIA-895 is mailed to energy or conservation agencies in all 33 natural gas producing States. All producing States participate voluntarily in the EIA-895 survey by filing the completed form or by responding to telephone contacts.

Reports on State production are due 20 days after the end of the report month. (In most cases, the data are not available to the States until after this time period.

Therefore, States are requested to send the report within 80 days after the end of the report month.) The annual schedule of the Form EIA-895 is due with the December data report.

Summary of Data Requirements

The Form EIA-895 monthly schedule consists of nine questions on one page, and requires volumetric information on gross production (gas and oil wells individually), gas used for repressuring, gas vented and flared, nonhydrocarbon gases removed, natural gas used as fuel on leases, marketed production, value based marketed production and the value in dollar amount of the marketed production.

Form EIA-895 annual schedule collects data on the monthly and annual production volume of natural gas (including gross withdrawals from both gas and oil wells); volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on leases; marketed production; the value of marketed production; and the number of producing gas wells.

Respondents are asked to report all volumes in thousand cubic feet at the State's standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

Routine Form EIA-895 Edit Checks

Each filing of Form EIA-895 is manually checked for reasonableness and mathematical accuracy. Information on the forms is compared to totals of monthly data reported. Volumes are converted, as necessary, to a standard 14.73 psia pressure base. Reasonableness of data is assessed by comparing reported data to the previous year's data. State agencies are contacted by telephone to correct errors. Amended filings or resubmissions are not a requirement, since participation in the survey is voluntary.

Other EIA Publications Referencing Form EIA-895

Data from Form EIA-895 are also published in the EIA publication, *Natural Gas Annual*.

EIA-191 Survey, "Underground Natural Gas Storage Report"

Survey Design

The Form EIA-191, "Underground Natural Gas Storage Report," was revised effective January 1994. Among the changes from the form used from 1991 through 1993 are a distinction between a monthly and annual survey. Prior to 1991, data on the storage of natural gas were collected on a survey jointly implemented in 1975 by the Federal Power Commission (FPC), the Federal Energy Administration (FEA), and the Bureau of Mines (BOM) as the FPC-8/FEA-G-318 system. The data received on both the FPC-8 and FEA-G-318 were computerized and aggregated by FPC. The form was previously revised in 1991 to include storage data by State, field, and reservoir.

At the beginning of 1979, the EIA assumed responsibility for the collection, processing, and publication of the data gathered in the survey. Form FEA-G-318 was renewed on July 1, 1979, as Form EIA-191 and the survey was retitled the FPC-8/EIA-191 Survey (Figure D4 shows the EIA-191). Form FPC-8 was renewed in December 1985 and the survey retitled FERC-8/EIA-191 Survey. The forms were not merged because of FERC's stated desire to maintain the separate identity of the FERC-8 for administrative reasons. In September 1995, the FERC discontinued the reporting requirements of Form FERC-8. FERC jurisdictional firms will continue to file Form EIA-191.

Survey Universe and Response Statistics

The 103 companies that operate underground facilities will file the Form EIA-191. Of these companies, 42 are subject to the jurisdiction of FERC and are required to report data on Form EIA-191.

The response rate as of the filing deadline is approximately 20 percent. Data from the remaining 80 percent of respondents are received in writing and/or by telephone within 3 to 4 days after the filing deadline. All data supplied by telephone are subsequently filed in writing, generally within 15 days of the filing deadline. The final response rate is 100 percent.

Summary of EIA-191 Data Reporting Requirements

The EIA-191 monthly schedule contains current month and prior month's data on the total quantities of gas in storage, injections and withdrawals, the location (including State and county, field, reservoir) and peak day withdrawals during the reporting period. Prior month's data are required only when data are revised.

Information on co-owners of storage fields has been eliminated. The annual schedule contains type of facility, storage field capacity, maximum deliverability and pipelines to which each field is connected. The annual schedule is filed with the January submission.

Collection of the survey is on a custody basis. Information requested must be provided within 20 days after the first day of each month. Twelve reports are required per calendar year. Respondents are required to indicate whether the data reported are actual or estimated. For most of the estimated filings, the actual data or necessary revisions are reflected in the prior month section of the monthly form. Actual data on natural gas injections and withdrawals from underground storage are based on metered quantities. Data on quantities of gas in storage and on storage capacity represent, in part, reservoir engineering evaluations. All volumes are reported at 14.73 psia and 60 degrees Fahrenheit.

Routine Form EIA-191 Edit Checks

Data received on Form EIA-191 are entered into the survey processing system. The survey's five principal data elements (total, base, working gas in storage, injections, and withdrawals) receive a preliminary visual edit to eliminate and correct obvious errors or omissions. Respondents are required to refile reports containing any inconsistencies or errors.

Other EIA Publications Referencing Form EIA-191

The EIA publication *Monthly Energy Review* and *Winter Fuels Report* contain data from the EIA-191 survey.

"Quarterly Natural Gas Import and Export Sales and Price Report"

Survey Design

The collection of data covering natural gas imports and exports was begun in 1973 by the Federal Power Commission (FPC). On October 1977, FPC ceased to exist and its data collection functions were transferred to the Federal Energy Regulatory Commission (FERC) within the Department of Energy (DOE). From 1979 to 1994, the Energy Information Administration (EIA) has had the responsibility for collecting Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." Data are not considered proprietary. The Form FPC-14 was discontinued in 1995.

Beginning in 1995, import and export data are taken from the "Quarterly Natural Gas Import and Export Sales and Price Report." This report is prepared by the Office of Fossil Energy, U.S. Department of Energy, based on information submitted by all firms having authorization to import or export natural gas.

Survey Universe and Response Statistics

All companies are required, as a condition of their authorizations to import or export natural gas, to file quarterly reports with the Office of Fossil Energy. These data are collected as part of its regulatory responsibilities. The data are reported at a monthly level of detail. Data reported on the Form FPC-14 represented physical movements of natural gas. Data collected by the Office of Fossil Energy are reported on an equity (sales) basis. For 1994 and earlier years, comparisons of the data from the two sources may show differences because reporting requirements were different.

Prior to 1995, the Form FPC-14 was filed annually by each organization or individual having authority to import and export natural gas regardless of whether any activity took place during the reporting year. Authorizations to import and export was originally granted by the FPC. In 1977, the authority to grant authorizations transferred to the Economic Regulatory Administration (ERA). It now resides with the Office of Fossil Energy, U.S. Department of Energy.

Routine Edit Checks

Respondents are required to certify the accuracy of all data reported. The data are checked for reasonableness and accuracy. If errors are found, the companies are required to file corrected data. The data are compared with data reported by the National Energy Board of Canada and are published quarterly. All natural gas volumes in this report are expressed at a pressure base of 14.73 pounds per square inch absolute and temperature of 60 degrees Fahrenheit, except as noted. All import and export prices are in U.S. dollars and, except for LNG exports, are those paid at the U.S. border. LNG export prices are those paid at the point of sale and delivery in Yokohama, Japan.

Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"

Survey Design

The original Form EIA-857 was approved for use in December 1984. Response to the Form EIA-857 is mandatory on a monthly basis. Data collected on the Form EIA-857 cover the 50 States and the District of Columbia and include both price and volume data. Data are considered proprietary.

Survey Universe and Response Statistics

A sample of 382 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies, report to the survey. The sample was selected independently for each of the 50 States and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 on a monthly basis. Initial response statistics on a monthly basis are as follows: responses received by due date, approximately 50 percent, and responses received after follow-up, 100 percent. Virtually all are received in time for incorporation in the current month's processing cycle. When a response is extremely late, and the company represents less than 25 percent of the natural gas volumes delivered by all sampled companies in the State, values are imputed as described in Appendix C. When the company's submission is eventually received, the submitted data are used for future processing and revisions.

The Form EIA-857 is a monthly sample survey of firms delivering natural gas to consumers. It provides data that are used to estimate monthly sales of natural gas (volume and price) by State and monthly deliveries of natural gas on behalf of others (volume) by State to three consumer sectors - residential, commercial, and industrial. (Monthly deliveries and prices of natural gas to electric utilities are reported on the Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and the Form EIA-759, "Monthly Power Plant Report.") See Appendix C for a discussion of the sample design and estimation procedures.

Summary of Form EIA-857 Data Reporting Requirements

Data collected monthly on the Form EIA-857 on a State level include the volume and cost of purchased gas, the volume and cost of natural gas consumed by sector (residential, commercial, and industrial), and the average heat content of all gas consumed. Respondents file completed forms with EIA in Washington, DC on or before the 30th day after the end of the report month.

All natural gas volumes are reported in thousand cubic feet at 14.73 psia at 60 degrees Fahrenheit and dollar values are reported to the nearest whole dollar.

Routine Form EIA-857 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-857. The edits performed include validity and analytical checks.

Appendix C

Statistical Considerations

The monthly sales (volume and price) and monthly deliveries (volume) of natural gas to residential, commercial and industrial consumers presented in this report by State are estimated from data reported on the Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers." (See Appendix B for a description of this Form.) These estimations must be made from the reported data since the Form EIA-857 is a sample survey. A description of the sample design and the estimation procedures is given below.

Sample Design

The Form EIA-857 is a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate companies, and producers, as well as local distribution companies. The survey provides data that are used each month to estimate the volume of natural gas delivered and the price for onsystem sales of natural gas by State to three consumer sectors-residential, commercial, and industrial. Monthly deliveries and prices of natural gas to electric utilities are reported on the Form EIA-759, "Monthly Power Plant Report," and the Form FERC-423, "Monthly Report of Costs and Quality of Fuels for Electric Plants."

Sample Universe. The sample currently in use was selected from a universe of 1,538 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 1995 who reported sales or deliveries to consumers in the residential, commercial or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

Sampling Plan. The goal was a sample that would provide estimates of monthly natural gas consumption by the three consuming sectors within each State and the District of Columbia. A stratified sample using a single stage and systematic selection with probability

proportional to size was designed. The measure of size was the volume of natural gas physically delivered in the State to the three consuming sectors by the company in 1995. There were two strata--companies selected with certainty and companies selected under the systematic probability proportional to size design.

Initial calculations showed that a 25 percent sample of companies would yield reasonably accurate estimates. The sample was selected independently in each State, resulting in a national total of 387 respondent companies. Unlike previous years, no mergers or acquisitions were uncovered as a result of the initial mail-out. Therefore there was no need for either substitution of respondent companies or a reduction in the total number of respondents.

Certainty Stratum. Since estimates were needed for each of the 50 States and the District of Columbia, the strata were established independently within each State. In 16 States and the District of Columbia where sampling was not feasible due to small numbers of companies and/or small volumes of gas deliveries, all companies were selected. The 16 States were: Alaska, Connecticut, Delaware, Hawaii, Idaho, Maine, North Dakota, New Hampshire, New Jersey, Nevada, Oregon, Rhode Island, South Dakota, Utah, Vermont, and Washington.

For each of the remaining States, the total volumes of industrial sales and deliveries and of the combined residential/commercial sales and deliveries were determined. Companies with natural gas deliveries to the industrial sector or to the combined residential/commercial sector above a certain level were selected with certainty. Since a few large companies often account for most of the natural gas delivered within a State, this ensures those companies' inclusion in the sample. The formula for determining certainty was applied independently in the two consumer sectors--the industrial and the combined residential/commercial. These selected companies, together with the companies in the jurisdictions discussed where sampling was not feasible, formed the certainty stratum.

All companies with natural gas deliveries in sector j greater than the cut-off value $(C_{.j})$ were included in the certainty stratum. The formula for $C_{.j}$ was:

$$C_{.j} = \frac{X_{.j}}{2n} \tag{1}$$

where:

 C_{ij} = cutoff value for consumer sector j,

n = target sample size to be selected for the State, 25 percent of the companies in the State,

 X_{ij} = the annual volume of natural gas deliveries by company i to customers in consumer sector j,

 X_i = the sum within State of annual gas volumes for company i,

 X_{j} = the sum within State of annual gas volumes in consumer sector j,

X.. = the sum within State of annual gas volumes in all consumer sectors.

Noncertainty Stratum. All other companies formed the noncertainty stratum. They were systematically sampled with probability proportional to size. The measure of size for each company was the total volume of gas sales to all consumer sectors (X_i .). The number of companies to be selected from the noncertainty stratum was calculated for each State, with a minimum of 2.

The formula for selecting the number of noncertainty stratum companies was:

$$m = n \frac{X2}{X..} \tag{2}$$

where:

m = the sample size for the noncertainty stratum within a State,

X2 = the sum within State of the X_i for all companies in the noncertainty stratum.

Companies were listed in ascending order according to their measure of size and then a cumulative measure of size in the stratum was calculated for each company. The cumulative measure of size was the sum of the measures of size for that company and all preceding companies on the list. An interval of width I for selecting the companies systematically was calculated using $(I = \frac{X2}{2})$. A uniform random number R was selected

 $(I = \frac{X^2}{m})$. A uniform random number R was selected between zero and I. The first sampled company was

the first company on the list to have a cumulative measure of size greater than R. The second company selected was the first company on the list to have a cumulative measure of size greater than R+I. R+I was increased again by I to determine the third company to be selected. This procedure was repeated until the entire sample was drawn.

Subgroups. In eight States, the noncertainty stratum was divided into subgroups to ensure that gas in each consumer sector could be estimated. The systematic sample with probability proportional to size design described above was applied independently in each subgroup. The methods for determining the subgroup sample size and calculating the subgroup interval for sample selection were the same as the methods described above for the noncertainty stratum, except that X2 was the sum within State of the X_i for only those companies in the subgroup.

These subgroups were defined only for the purpose of sample selection. They are:

California: companies handling only industrial gas and all other companies.

Iowa: companies handling industrial gas and companies delivering only to residential or commercial customers.

Louisiana: companies handling only industrial gas and all other companies, with the latter being further subdivided according to size. The larger group is comprised of all companies with total deliveries of at least 200 million cubic feet while the smaller group consists of companies with less than that volume of delivered gas (three subgroups).

Oklahoma: Companies delivering less than 500 million cubic feet of gas and those delivering more than that volume.

Texas: companies handling only residential/commercial gas, companies handling only industrial gas, and all other companies (three subgroups).

Estimation Procedures

Estimates of Volumes. A ratio estimator is applied to the volumes reported in each State by the sampled companies to estimate the total gas sales and deliveries for the State. Ratio estimators are calculated for each consumer sector—residential, commercial, and industrial—in each State where companies are sampled.

The following annual data are taken from the most recent 1995 submissions of Form EIA-176:

The formula for calculating the ratio estimator (E_{vj}) for the volume of gas in consumer sector j is:

$$E_{\nu j} = \frac{Y_{.j}}{Y'_{.j}} \tag{3}$$

where:

 Y_j = the sum within State of annual gas volumes in consumer sector j for all companies,

 $Y'_{,j}$ = the sum within State of annual gas volumes in consumer sector j for those companies in the sample.

The ratio estimator is applied as follows:

$$V_j = y_{,j} \times E_{\nu j} \tag{4}$$

where:

 V_j = the State estimate of monthly gas volumes in consumer sector j,

 $y_{,j}$ = the sum within State of reported monthly gas volumes in consumer sector j.

Computation of Natural Gas Prices. The natural gas volumes that are included in the computation of prices represent only those volumes associated with natural gas sales.

The price of natural gas for a State within a sector is calculated as follows:

$$P_j = \frac{R_j}{V'_i}$$

where

 P_j = the average price for gas sales within the State in consumer sector j,

 R_j = the reported revenue from natural gas sales within the State in consumer sector j,

 V_j = the reported volume of natural gas sales within the State in consumer sector j.

All average prices are weighted by their corresponding sales volume estimates when national average prices are computed.

The monthly average prices of natural gas are based on sales data only. Volumes of gas delivered for the ac-

count of others to these consumer sectors are not included in the State or national average prices.

Table 28 shows the percent of the total State volume that represents volumes from natural gas sales to the commercial and industrial sectors. This table may be helpful in evaluating commercial and industrial price data. Virtually all natural gas deliveries to the residential sector represent onsystem sales volumes only.

See the section on consumer price calculations in this Appendix for further price information.

Estimation for Nonrespondents. A volume for each consumer category is imputed for companies that fail to respond. The imputation is based on the previous month's value reported by the non-responding company and the change from the previous month to the current month in volumes reported by other companies in the State. The imputed volumes are included in the State totals. To estimate prices for non-respondents, the unit price (dollars per thousand cubic feet) reported by the company in the previous month is used.

The formula for imputing volumes of gas sales for nonrespondents was:

$$F_t = F_{t-1} \times \frac{y_{jt}}{y_{jt}-1} \tag{5}$$

where:

 F_t = imputed gas volume for current month t,

 F_{t-1} = gas volume for the company for the previous month,

 y_{jt} = gas volume reported by companies in the State stratum for report month t,

 $y_{.j}t-1$ = gas volume in the previous month for companies in the State stratum that reported in month t.

Final Revisions

Adjusting Monthly Data to Annual Data. After the annual data reported on the Form EIA-176 have been submitted, edited, and prepared for publication in the *Natural Gas Annual*, revisions are made to monthly data. The revisions are made to the volumes and prices of natural gas delivered to consumers that have appeared in the *Natural Gas Monthly* to match them to the annual values appearing in the *Natural Gas Annual*. The revised monthly estimates allocate the difference between the sum of monthly estimates and the annual reports according to the distribution of the estimated values across the months.

Before the final revisions are made, changes or additions to submitted data received after publication of the monthly estimate and not sufficiently large to require a revision to be published in the *Natural Gas Monthly*, are used to derive an updated estimate of monthly consumption and revenues for each State's residential, commercial, or industrial natural gas consumption.

For each State, two numbers are revised, the estimated consumption and the estimated price per thousand cubic feet.

The formula for revising the estimated consumption is:

$$V_{jm}^* = V_{jm} + \left[(V_{ja} - V'_{jm}) (\frac{V_{jm}}{V'_{im}}) \right]$$
 (6)

where:

 V_{jm}^{*} = the final volume estimate for month m in consumer sector j,

 V_{jm} = the estimated volume for month m in consumer sector i.

 V_{ja} = the volume for the year reported on Form EIA-176.

 V'_{jm} = The annual sum of estimated monthly volumes.

The price is calculated as described above in the Estimation Procedures section, using the final revised consumption estimate and a revised revenue estimate. The formula for revising the estimated revenue is:

$$R_{jm}^* = R_{jm} + \left[(R_{ja} - R'_{jm}) (\frac{R_{jm}}{R'_{im}}) \right]$$
 (7)

where:

 R_{jm}^* = the final revenue estimate for month m in consumer sector j,

 R_{jm} = the estimated revenue for month m in consumer sector j.

 R_{ja} = the revenue for the year reported on Form EIA-

 R'_{jm} = The annual sum of estimated monthly revenues.

Revision of Volumes and Prices for Deliveries to Electric Utilities. Revisions to monthly electric utilities data are published throughout the year as they become available.

Reliability of Monthly Data

The monthly data published in this report are subject to two sources of error - nonsampling error and sampling error. Nonsampling errors occur in the collection and processing of the data. See the discussion of the Form EIA-857 in Appendix B for a description of nonsampling errors for monthly data.

Sampling error may be defined as the difference between the results obtained from a sample and the results that a complete enumeration would provide. The standard error statistic is a measurement of sampling error.

Standard Errors. A standard error of an estimate is a statistical measure that indicates how the estimate from the sample compares to the result from a complete enumeration. Standard errors are calculated based on statistical theory that refers to all possible samples of the same size and design.

The standard errors for monthly natural gas volume estimates by State are given in Table C1. Ninety-five percent of the time, the volume that would have been obtained from a complete enumeration will lie in the range between the estimated volume minus two standard errors and the estimated volume plus two standard errors.

The standard error of the natural gas volume estimate is the square root of the variance of the estimate. The formula for calculating the variance of the volume estimate is:

$$V(\hat{Y}) = \sum_{h=1}^{H} \left[N_h^2 \frac{(1 - \frac{n_h}{N_h})}{n_h (n_h - 1)} \left(\sum_{i=1}^{H} (y_i - Tx_i)^2 \right) \right]$$
(8)

where:

H =the total number of strata

 N_h = the total number of companies in stratum h

 n_h = the sample size in stratum h

 y_i = the reported monthly volume for company i

 x_i = the reported annual volume for company i

T = the ratio of the sum of the reported monthly volumes for sample companies to the sum of the reported annual volumes for the sample companies.

Table C-1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, September 1997

| State | | Volu Million Cu | | Price Dollars per Thousand Cubic Feet | | | |
|----------------------|-------------|--------------------|-------------|--|-------------|------------|------------|
| | Residential | Commercial | Industrial | Total | Residential | Commercial | Industrial |
| A | 454 | 00.4 | 504 | 070 | 0.00 | 0.00 | 4.00 |
| Alabama | 154 | 824 | 504 | 978 | 0.32 | 2.36 | 1.06 |
| Alaska | 0 20 | 0 117 | 0 0 | 0 119 | 0.13 | 0.12 | _ |
| Arizona Arkansas | 0 | 0 | 0 | 0 | U.13 — | 0.12 | _ |
| California | 242 | 109 | 713 | 761 | 0.03 | 0.01 | 0.06 |
| Colorado | NA | NA | NA | NA | NA | NA | NA |
| Connecticut | 0 | 0 | 0 | 0 | _ | _ | _ |
| Delaware | 0 | 0 | 0 | Ö | | | _ |
| District of Columbia | 0 | 0 | 0 | Ö | | | _ |
| Torida | 225 | 207 | NA O | NA O | 2.04 | 0.23 | NA |
| Seorgia | 497 | 1,932 | 547 | 2,068 | 1.69 | 5.38 | 9.74 |
| ławaii | 497 | 1,932 | 0 | 2,000 | | J.J0 — | J.14 — |
| daho | NA U | NA U | NA U | NA U | NA | NA | NA |
| linois | 1,189 | 933 | 528 | 1,601 | 1.45 | 3.07 | 0.32 |
| ndiana | 348 | 296 | 1,222 | 1,305 | 1.03 | 0.25 | 0.25 |
| owa | 129 | 31 | 502 | 519 | 0.91 | 0.09 | 0.77 |
| Kansas | 468 | 385 | 3,321 | 3,375 | 1.66 | 1.09 | 4.08 |
| Kentucky | 55 | 28 | 471 | 475 | 0.10 | 0.30 | 1.46 |
| ouisiana | 29 | 29 | NA T | NA A | 0.29 | 0.35 | NA NA |
| Maine | 0 | 0 | 0 | 0 | - | - | _ |
| Maryland | 2 | 6 | 14 | 15 | 0.02 | 0.02 | 0.26 |
| Massachusetts | 265 | 1,357 | 6,957 | 7,093 | 0.69 | 0.02 | 0.20 |
| lichigan | 1,699 | 1,037 | 3,895 | 4,374 | 0.63 | 0.50 | 0.98 |
| /innesota | 136 | 405 | 852 | 953 | 0.43 | 0.49 | 0.30 |
| Mississippi | NA NA | NA NA | NA NA | NA NA | NA NA | NA NA | NA |
| Aissouri | 131 | 91 | 226 | 276 | 0.52 | 0.29 | 0.41 |
| Montana | 0 | 3 | 0 | 3 | 0.01 | 0.01 | _ |
| Nebraska | 14 | 81 | 73 | 110 | 0.46 | 0.02 | 0.55 |
| Vevada | 0 | 0 | 0 | 0 | - | - | _ |
| New Hampshire | NA O | NA O | NA O | NA O | NA | NA | NA |
| New Jersey | 0 | 0 | 0 | 0 | _ | _ | _ |
| New Mexico | 113 | 273 | 709 | 768 | 0.85 | 0.29 | _ |
| New York | NA NA | NA NA | 0 | NA | NA NA | NA NA | _ |
| North Carolina | 26 | 27 | 423 | 425 | 0.24 | 0.02 | 0.23 |
| North Dakota | 0 | 0 | 0 | 0 | _ | _ | - |
| Ohio | 0 | 0 | 0 | 0 | _ | _ | _ |
| Oklahoma | 75 | 2,603 | 1.164 | 2,853 | 0.35 | 5.65 | 0.21 |
| Oregon | 0 | 0 | 0 | 2,000 | - | J.05 | - 0.21 |
| Pennsylvania | 165 | 970 | 2,217 | 2,425 | 0.28 | 0.55 | 4.32 |
| Rhode Island | 0 | 0 | 0 | 0 | _ | _ | - |
| South Carolina | 20 | 428 | 190 | 469 | 0.62 | 0.48 | 0.06 |
| South Dakota | 0 | 0 | 0 | 0 | - | | - |
| ennessee | 67 | 45 | | | 0.61 | 0.14 | 0.40 |
| exas | 291 | 2,465 | 2,583 NA | 2,585 NA | 0.20 | 0.14 | NA |
| Jtah | 0 | 2,403 | 0 | 0 | - | - | _ |
| /ermont | 0 | 0 | 0 | 0 | _ | _ | _ |
| /irginia | | 163 | 956 | | 1.37 | 0.12 | 0.57 |
| Vashington | 322 NA | NA NA | NA | 1,021 NA | NA | NA NA | NA NA |
| Vest Virginia | 387 | 265 | 65 | 473 | 1.43 | 1.77 | 0.48 |
| Visconsin | 295 | | 648 | | 0.25 | 0.41 | |
| Vyoming | 29 | 138 NA | NA | 725 na | 0.59 | NA NA | 1.20 NA |
| , , | | | | | | | |

NA = Not Available.
 - = Not Applicable.
 Source: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Appendix D

Natural Gas Reports and Feature Articles

Reports Dealing Principally with Natural Gas and/or Natural Gas Liquids

- Natural Gas Annual 1995, DOE/EIA-0131(95), November 1996.
- Natural Gas Annual 1993 Supplement: Company Profiles, DOE/EIA-0131(93/S), February 1995.

Other Reports Covering Natural Gas, Natural Gas Liquids, and Other Energy Sources

- Monthly Energy Review, DOE/EIA-0035. Published monthly. Provides national aggregate data for natural gas, natural gas liquids, and other energy sources.
- Short-Term Energy Outlook, DOE/EIA-0202. Published quarterly. Provides forecasts for next six quarters for natural gas and other energy sources.
- Natural Gas 1995: Issues and Trends, DOE/EIA-0560(95), November 1995.
- U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves - 1995 Annual Report, DOE/EIA-0216(95)/Advance Summary, October 1996.
- *Annual Energy Review 1995*, DOE/ EIA-0384(95), July 1996. Published annually.
- Annual Report to Congress 1995 DOE/ EIA-01733(95), July 1996. Published annually.

 Annual Energy Outlook 1996, DOE/ EIA-0383(96), January 1996. Published annually.

Selected One-Time Natural Gas and Related Reports

- The Value of Underground Storage in Today's Natural Gas Industry, DOE/EIA-0591, March 1995.
- Natural Gas Productive Capacity for the Lower 48 States, 1980 through 1995, DOE/EIA-0542(95), July 1994
- Largest U.S. Oil and Gas Fields, DOE/EIA-TR-0567, August 1993.
- Energy Policy Act Transportation Rate Study, DOE/EIA-0571, October 1993.
- Energy Policy Act Transportation Study: Interim Report of Natural Gas Flows and Rates, DOE/EIA-0602, October 1995.

Selected and Recurring Natural Gas and Related Data Reference Reports

- Directory of Energy Data Collection Forms, DOE/EIA-0249(95), January 1996.
- Oil and Gas Field Code Master List, 1995, EIA-0370(95), December 1996.

Feature Articles

January 1994

U.S. Coalbed Methane Production

(Updates the Energy Information Administration's coalbed methane production information through 1992 and presents it by geologic basin and by State.)

February 1994

Contracting for Natural Gas Supplies

(Addresses the contractual relationships of producers with end users and distributors for the natural gas that is shipped along the interstate pipeline systems.)

May 1994

Opportunities with Fuel Cells

(Discusses the uses of fuel cells in todays market.)

Revisions to Monthly Natural Gas Data

(Discusses the revision errors for natural gas data.)

June 1994

Natural Gas 1994: Issues and Trends - Executive Summary

(Provides an overview of the natural gas industry in 1993 focusing on trends in production, consumption, and pricing of natural gas.)

August 1994

U.S. Natural Gas Imports and Exports - 1993

(Contains final 1993 data on all U.S. imports and exports of natural gas.)

March 1995

The Comparability of Resource and Reserve Data for Crude Oil, Natural Gas, Coal, and Uranium

(Clarifies which terms are equivalent among the four major energy minerals in the United States.)

July 1995

Revisions to Monthly Natural Gas Data

(Discusses the revision errors for natural gas data.)

June 1996

Natural Gas Industry Restructuring and Data Collection

(Discusses how restructuring of the natural gas industry has impacted the natural gas data collection efforts.)

July 1996

Revisions to Monthly Natural Gas Data

(Discusses the revision errors for natural gas data.)

November 1996

U.S. Natural Gas Imports and Exports - 1995

(Contains final 1995 data on all U.S. imports and exports of natural gas.)

December 1996

Crosswell Seismology -- A View from Aside

(Discusses crosswell seismology and its geologic and economic implications for the domestic oil and gas industry.)

May 1997

Restructuring Energy Industries: Lessons from Natural Gas

(Compares and contrasts the natural gas and electric power industries.)

July 1997

Intricate Puzzle of Oil and Gas "Reserves Growth"

(Discusses the factors that affect ultimate recovery estimates of a field or reservoir.)

August 1997

Natural gas Residential Pricing Developments During the 1996-97 Winter

(Discusses key factors that affect pricing patterns, highlights the effects of weather, utilization patterns of natural gas storage, and pricing mechanisms used in natural gas markets.)

Special Focuses

January 1997

Natural Gas Productive Capacity

(Analyzes monthly natural gas wellhead productive capacity in the lower 48 States from 1985 and 1996 and project this capacity for 1996 and 1997.)

Outlook for Natural Gas Through 2015

(Presents an outlook for natural gas through 2015

August 1997

Worldwide Natural Gas Supply and Demand And the Outlook For Global LNG Trade

(Focuses on natural gas into the next century with emphasis on world natural gas supply and demand to 2015.)

September 1997

Advance Summary: U.S. Crude Oil, Natural Gas, and Natural gas Liquids Reserves, 1996 Annual Report -Advance Summary

(Focuses on proved reserves of domestic crude oil, natural gas, and natural gas liquids.)

Special Reports

March 1997

Natural Gas Analysis and Geographic Information Systems

(Explores how geographic information system techniques and methodologies are being used by the Energy Information Administration.)

April 1997

Natural Gas Pipeline and System Expansions

(Examines recent expansions to the North American natural gas pipeline network.)

July 1997

Revisions to Monthly Natural Gas Data

(Discusses the revision errors for natural gas data.)

Natural Gas 1996: Highlights

(Reviews data for 1996 based on Energy Information Administration surveys.)

August 1997

U.S. Natural gas Imports and Exports - 1996

(Contains final 1996 data on all U.S. imports and exports of natural gas.)

September 1997

U.S. Underground Storage of Natural Gas in 1997: Existing and Proposed

(Examines recent and proposed expansions of underground natural gas storage capacity and deliverability in the United States as of September 1, 1997.)

Appendix E

Technical Contacts

| Section | Tables | | Principal Data Sources | Technical Contact |
|---|---------|---------------------|---|--|
| Summary Statistics: Natural Gas Production | 1, 2, 3 | Monthly: Annual: | EIA-895, "Monthly Quantity of Natural Gas Report" | Audrey E. J. Corley (202) 586-4804 |
| | | Monthly: | Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" | Roy Kass (202) 586-4790 |
| Extraction Loss | 1 | Monthly: Annual: | EIA computations Form EIA-816, "Monthly Natural Gas Liquids Report" and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production" | Margo Natof (202) 586-6303 |
| Supplemental Gaseous Fuels | 2 | Monthly: Annual: | EIA computations Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition" | Audrey E. J. Corley (202) 586-4804 Margo Natof (202) 586-6303 |
| Imports and Exports | 2 | Monthly: Annual: | EIA computations Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Import and Exports" | Norman Crabtree (202) 586-6180 |
| Price: | | | | |
| City Gate, Residential, Commercial, and Industrial | 4 | Monthly: | Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" | Roy Kass (202) 586-4790 |
| Wellhead | 4 | Monthly: Annual: | EIA computations Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" | Linda Cook (202) 586-6306 |
| Electric Utility | 4 | Monthly: | Form FPC-423, "Cost and Quality of Fuels for Electric Power Plants" | Roy Kass (202) 586-4790 |
| Summary of Natural Gas Imports and Exports Producer Related Activities: | 5,6 | Monthly: | Quaterly Natural Gas Import and and Export Sales and Price Report | Norman Crabtree (202) 586-6180 |
| Natural Gas Production | 7,8 | Monthly: | EIA-895, "Monthly Quantity of Natural Gas Report" | Audrey Corley (202) 586-4804 |

| Underground Storage: | 9, 10, 11 12, 13 | Monthly: | Forms FERC-8 and EIA-191, "Underground Gas Storage Report" | Roy Kass (202) 586-4790 |
|-------------------------------|---------------------|-----------|---|----------------------------|
| Distribution and Consumption: | | | | |
| Deliveries to: | | | | |
| Residential, | 14 | Monthly: | Form EIA-857, "Monthly Report of | Roy Kass |
| Commercial, | 15 | | Natural Gas Purchases and Deliveries | (202) 586-4790 |
| Industrial, | 16 | | to Consumers" | |
| Electric Utility, | 17 | | Form FERC-423, "Cost and Quality | |
| All Consumers | 18 | | of Fuels for Electric Power Plants" | |
| Average Price to: | | | | |
| City Gate, | 19 | Monthly: | Form EIA-857, "Monthly Report of | Roy Kass |
| Residential, | 20 | | Natural Gas Purchases and Deliveries | (202) 586-4790 |
| Commercial, | 21 | | to Consumers" | |
| Industrial, | 22 | | Form FERC-423, "Cost and Quality | |
| Electric Utility | 23 | | of Fuels for Electric Power Plants" | |
| Onsystem Sales | 24 | Monthly: | Form EIA-857, "Monthly Report of | Roy Kass |
| | | | Natural Gas Purchases and Deliveries to Consumers" | (202) 586-4790 |
| Heating Degree Days | 25 | Seasonal: | National Oceanic and Atmospheric | James Keeling |
| | | | Administration | (202) 586-6107 |
| Highlights | | | | |
| | | | | Mary Carlson |
| | | | | (202) 586-4749 |
| | | | | |

Appendix F

Natural Gas Electronic Products

In addition to printed publications, the Energy Information Administration distributes information concerning the natural gas industry in a variety of electronic formats through several media. Two main types of products are available electronically: *viewable documents* that may be read or printed; and *post-processable files* that may be directly used as input to a computer application without additional keying and checking of data.

Viewable documents represent complete or selected sections of publications including text, tables and graphs. They may be as specific as single tables or as general as an entire publication. Post-processable documents on the other hand are either macro-level representations of

information in published tables or micro-level respondent information representing responses on a specific nonconfidential survey.

The media used to distribute these electronic publications include: (1) The Energy Information Administration's Internet site (http://www.eia.doe.gov or ftp://ftp.eia.doe.gov); (2) Dial-in access through the Energy Information Administration's EPUB electronic bulletin board or through the Economic Bulletin Board of the Department of Commerce and the COGIS system; (3) The Energy Information Administration's quarterly CD-ROM(Info-Disk); (4) The Energy Information Administration's Fax on Demand System; and (5) diskettes.

| | Internet | Dial-In | InfoDisk | Fax | Diskette | | |
|---|----------|---------|----------|-----|----------|--|--|
| ANNUAL PUBLICATIONS | | | | | | | |
| Natural Gas Annual, Volume 1, 1994 Provides information on supply, and disposition of natural gas in the United States.Information is provided nationally, regionally, and by State for 1994. | V P | | V P | | P | | |
| Natural Gas Annual, Volume 2, 1994 Contains historical information about supply and disposition of natural gas at the national, regional, and State level as well as prices at selected points in the flow of gas from wellhead to burnertip. | P | | P | | P | | |
| Natural Gas 1995: Issues and Trends Addresses current issues affecting the natural gas industry and markets, and analyzes trends in the most recent natural gas data. | V | | V | | | | |
| Natural Gas 1994: Issues and Trends Provides an overview of the natural gas industry in 1993 and early 1994, focusing on the overall ability to deliver gas under the new regulatory mandates of the Federal Energy Regulatory Commission's Order 636. | V | | V | | | | |
| Oil and Gas Products List 1994-1995 Brief descriptions of the various information products prepared by the Office of Oil and Gas. | V | | V | | | | |
| U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves Annual Report 1994 1994 national and State estimates of reserves, reserve changes, and production, plus industry highlights. | V | | V | | | | |
| MONTHLY PUBLI | CATIONS | | | | | | |
| Natural Gas Monthly, from September 1995 forward. Entire Publication in viewable format | V | | V | | | | |

| | Internet | Dial-In | InfoDisk | Fax | Diskette | | |
|--|----------|---------|----------|-----|----------|--|--|
| OTHER PUBLICATIONS | | | | | | | |
| Natural Gas 1995: Preliminary Highlights This Special Focus, which was featured in the April 1996 issue of the Natural Gas Monthly, presents events that affected the natural gas industry during 1995. | V | P | | V | | | |
| Energy Policy Act Transportation Study: Interim Report on Natural Gas Flow and Rates (EPACT) Analysis of natural gas transportation rates and distribution patterns for the period from 1988 through 1994. | v | | V | | | | |
| Oil Production Capacity Expansion Cost for the Persian Gulf Quantifies the cost of expanding oil production capacity for the Persian Gulf based on geologic plays and fields rather than country-level economics. Development costs and volumes are estimated for the next 15 years. | V | | V | | | | |
| Costs and Indices for Domestic Oil and Gas Field Equipment and Production Operations 1990-1993 Cost of equipment and operation of oil and gas wells in the lower 48 States. | V | | V | | | | |
| Drilling Sideways- A Review of Horizontal Well Technology and the Domestic Application April 1993 report presenting salient aspects of current and near-future horizontal drilling and completion technology. | V | | V | | | | |
| International Oil and Gas Exploration and Development Compilation of country-level data and assessment of regional trends relating to upstream aspects of global oil and gas supply. | V | | V | | | | |
| Natural Gas Productive Capacity for the Lower 48 States 1984-1996 Analysis of monthly natural gas wellhead productive capacity. | V | | v | | | | |
| Natural Gas Productive Capacity for the Lower 48 States 1980-1995 Analysis of monthly natural gas wellhead productive capacity. | V | | V | | | | |
| Oil and Gas Field Code Master List Comprehensive listing of U.S. oil and gas field names as of November 1995. | V | | V | | | | |
| Oil and Gas Resources of the Fergana Basin (Uzbekistan, Tadzhikistan, and Kyrgysztan) Reservoir level assessments of oil and gas ultimate recovery in the former Soviet Union area. | V | | V | | | | |
| The Value of Underground Storage in Today's Natural Gas Industry Explores the significant and changing role of storage in the industry. | V | | V | | | | |
| U.S. Oil and Gas Development in the Early 1990's Analyses of the growing prominence of smaller energy companies in U.S. oil and gas production | V | | V | | | | |
| ANNUAL DA | ΛTA | | | | | | |
| Natural Gas Supply and Disposition, by State 1994 | V P | V P | | V | | | |

V=Viewable P=Post-Processable

| | Internet | Dial-In | InfoDisk | Fax | Diskette |
|--|-------------|----------|----------|-----|----------|
| Natural Gas Summary, United States by Year 1990-1994 | V P | V P | miobisk | V | Diskette |
| 1994 Natural Gas Annual Volume 1 data Self-extracting file containing data (in comma-delimited format) that appear in the tables in Volume I of the 1994 Natural Gas Annual. | P | | Р | | P |
| 1994 Natural Gas Annual Volume 2 data Self-extracting file containing historical information (in comma-delimited format) found in the tables in Volume II of the 1994 Natural Gas Annual. Annual historical data at the national level are presented for 1930-1994. Annual information by State and region is presented for 1967-1994. | Р | | P | | Р |
| 1993 Data reported on Form EIA-176 A self-extracting compressed file containing data reported on Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition" for 1993. | P | | | | P |
| 1994 Data reported on Form EIA-176 A self-extracting compressed file containing data reported on Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition" for 1994. | P | | | | P |
| Data archive of historical reserves estimates for U.S. Crude Oil, Natural Gas, and Natural Gas Liquids. National, State, and State subregion data published in the reserves balance tables of U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves from 1977 forward. | P | | | | P |
| MONTHLY D. | ATA | | | | |
| Natural Gas Production, United States by Month 1989-forward | P | P | | V | |
| Natural Gas Supply and Disposition, 1989-forward | P | P | | V | |
| Natural Gas Imports and Exports 1989-forward | P | P | | V | |
| Natural Gas Underground Storage: United States Total by Month 1989-forward | P | P | | V | |
| Natural Gas Prices: United States Total by Month 1989-forward | P | P | | V | |
| Natural Gas Consumption by Sector: United States Total by Month, 1989-forward | P | P | | V | |
| SELF-EXTRACTING COMPRESSEI | DATA FILE A | ARCHIVES | | | |
| Natural Gas Consumption and Prices, for most recent 2-3 years | P | P | | | |
| Natural Gas Consumption and Prices, for 1984-1992 | P | P | | | |
| OTHER REPO | RTS | | | | |
| Natural Gas Weekly Market Update Analysis of current price, supply and storage data along with a two week snapshot of the weather in four distinct metropolitan areas. | V | | | V | |

V=Viewable P=Post-Processable

Glossary

Balancing Item: Represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems. Reporting problems include differences due to the net result of conversions of flow data metered at varying temperature and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycle and calendar period time frames; and imbalances resulting from the merger of data reporting systems which vary in scope, format, definitions, and type of respondents.

Base (Cushion) Gas: The volume of gas needed as a permanent inventory to maintain adequate underground storage reservoir pressures and deliverability rates throughout the withdrawal season. All native gas is included in the base gas volume.

British Thermal Unit (Btu): The heat required to raise the termperature of one pound of water by one degree Fahrenheit at or near 39.2 degrees Fahrenheit.

City-gate: A point or measuring station at which a gas distribution company receives gas from a pipeline company or transmission system.

Commercial Consumption: Gas used by nonmanufacturing organizations such as hotels, restaurants, retail stores, laundries, and other service enterprises, and gas used by local, State, and Federal agencies engaged in nonmanufacturing activities.

Depletion: The loss in service value incurred in connection with the exhaustion of the natural gas reserves in the course of service.

Depreciation: The loss in service value not restored by current maintenance, incurred in connection with the consumption or respective retirement of a gas plant in the course of service from causes that are known to be in current operation and against which the utility is not protected by insurance; for example, wear and tear, decay, obsolescence, changes in demand and requirements of public authorities, and the exhaustion of natural resources.

Dry Natural Gas Production: Marketed production less extraction loss.

Electric Utility Consumption: Gas used as fuel in electric utility plants.

Exports: Natural gas deliveries out of the continental United States and Alaska to foreign countries.

Extraction Loss: The reduction in volume of natural gas resulting from the removal of natural gas liquid constituents at natural gas processing plants.

Flared: The volume of gas burned in flares on the base site or at gas processing plants.

Gross Withdrawals: Full well stream volume, including all natural gas plant liquid and nonhydrocarbon gases, but excluding lease condensate. Also includes amounts delivered as royalty payments or consumed in field operations.

Imports: Natural gas received in the Continental United States (including Alaska) from a foreign country.

Independent Producers: Any person who is engaged in the production or gathering of natural gas and who sells natural gas in interstate commerce for resale but who is not engaged in the transportation of natural gas (other than gathering) by pipeline in interstate commerce.

Industrial Consumption: Natural gas used by manufacturing and mining establishments for heat, power, and chemical feedstock.

Interstate Companies: Natural gas pipeline companies subject to FERC jurisdiction.

Intransit Deliveries: Redeliveries to a foreign country of foreign gas received for transportation across U.S. territory and deliveries of U.S. gas to a foreign country for transportation across its territory and redelivery to the United States.

Intransit Receipts: Receipts of foreign gas for transportation across U.S. territory and redelivery to a foreign country and redeliveries to the United States of U.S. gas transported across foreign territory.

Intrastate Companies: Companies not subject to FERC jurisdiction.

Lease and Plant Fuel: Natural gas used in well, field, lease operations and as fuel in natural gas processing plants.

Liquefied Natural Gas (LNG): Natural gas that has been liquefied by reducing its temperature to minus 260 degrees Fahrenheit at atmospheric pressure.

Marketed Production: Gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations. Includes all quantities of gas used in field and processing operations. See Explanatory Note 1 for discussion of coverage of data concerning nonhydrocarbon gases removed.

Native Gas: Gas in place at the time that a reservoir was converted to use as an underground storage reservoir as in contrast to injected gas volumes.

Natural Gas: A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or solution with oil in natural underground reservoirs at reservoir conditions.

Nonhydrocarbon Gases: Typical nonhydrocarbon gases that may be present in reservoir natural gas are carbon dioxide, helium, hydrogen sulfide, and nitrogen.

Onsystem Sales: Sales to customers where the delivery point is a point on, or directly interconnected with, a transportation, storage, and/or distribution system operated by the reporting company.

Pipeline Fuel: Gas consumed in the operation of pipelines, primarily in compressors.

Repressuring: The injection of gas into oil or gas formations to effect greater ultimate recovery.

Residential Consumption: Gas used in private dwellings, including apartments, for heating, cooking, water heating, and other household uses.

Storage Additions: The volume of gas injected or otherwise added to underground natural gas or liquefied natural gas storage during the applicable reporting period.

Storage Withdrawals: Total volume of gas withdrawn from underground storage or liquefied natural gas storage during the applicable reporting period.

Supplemental Gaseous Fuels Supplies: Synthetic natural gas, propane-air, refinery gas, biomass gas, air injected for stabilization of heating content, and manufactured gas commingled and distributed with natural gas.

Synthetic Natural Gas (SNG): A manufactured product chemically similar in most respects to natural gas, that results from the conversion or reforming of petroleum hydrocarbons and may easily be substituted for or interchanged with pipeline quality natural gas.

Therm: One-hundred thousand British thermal units.

Underground Gas Storage Reservoir Capacity: Interstate company reservoir capacities are those certificated by FERC. Independent producer and intrastate company reservoir capacities are reported as developed capacity.

Vented Gas: Gas released into the air on the base site or at processing plants.

Wellhead Price: Represents the wellhead sales price, including charges for natural gas plant liquids subsequently removed from the gas, gathering and compression charges, and State production, severance, and/or similar charges.

Working (Top Storage) Gas: The volume of gas in an underground storage reservoir above the designed level of the base. It may or may not be completely withdrawn during any particular withdrawal season. Conditions permitting, the total working capacity could be used more than once during any season.